



STORE MANUAL

*Complete Operating Instructions for
Store Managers and Employees*

DO NOT REMOVE FROM PREMISES

Supporting



a member of FireKing® Security Group
101 Security Parkway
New Albany IN 47150
Phone 800-528-9900 (Toll Free)
Phone 812-948-8400 (Outside United States)
www.nklcashhandling.com

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AuditLok® XLV Version 3.39

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1 INTRODUCTION

SCOPE

This manual is designed to support store personnel. This document covers everything that users and managers should ever need to know. New users and junior personnel are encouraged to take advantage of the NKL Autobank Quick Guide for easy, well illustrated, basic daily functions.

The Facilities and Features sections provide background information that is essential for a complete understanding of your product.

Operator Instructions cover door access, vending, drops, and other common daily user functions used by almost everyone.

Manager Instructions cover somewhat more advanced procedures such as enrolling and editing users, loading, unloading, and generating various reports.

The Reports and Receipts section provides a series of sample reports with brief descriptions of how to interpret the information commonly found on these reports.

Basic troubleshooting information is included to help users with common error messages. Instructions for obtaining factory authorized service are also included.

MODELS

Products supported by this manual include the Intellisafe (AXC/AXR), Autobank controllers D8C, V1C, V2C, and Autobank remote units D8R, V1R, and V2R. The EPR is a remote display and keypad control panel.

CONTROLLER UNITS AND REMOTE UNITS

All AuditLok XLV systems have one controller unit. Any additional units must be remote units. Remote units are connected via Intellibus (data bus) to the controlling unit.

INTELLISAFE

Some applications require a safe with advanced auditing capability, but do not require bill validation or dispensing capability. For those applications, the Intellisafe serves as a conventional cash management safe with manual drop capability and one or more inner compartments for manual drop storage.

Intellisafe models may be stand alone safes or may be integrated with Autobank units.

AUTOBANK DISPENSING SAFES

D8 safes hold eight columns of ten tubes each. The manager loads tubes filled with rolls of bills or coins, then cashiers dispense the tubes as needed during the business day to maintain change in their till.

D8 units are equipped with a manual drop drawer to securely hold accept drops. If the D8 safe has an inner compartment, the manual drops are held in that inner compartment.

AUTOBANK VALIDATING SAFES

Bill validation is the most secure and accurate method of collecting and storing incoming cash throughout the day. The operator enables the bill acceptor from the control panel and inserts bills. The bill validator counts the number and type of bills. The CPU stores the data while the validator's cassette stores the cash.

V1 safes are equipped with single validators while V2 safes are equipped with two validators. V1 and V2 safes do not have a built in display, so a counter-top display (EPR) is often installed near the validating safe for ease of use.

ELECTRONIC DISPLAY PANEL, REMOTE

An EPR is an auxiliary display/keypad unit offering the convenience of the controller's keypad, but may be mounted virtually anywhere. An EPR-FP is an EPR equipped with a Biometrics fingerprint reader.

WARRANTY

The standard warranty on NKL products is a limited parts and labor warranty for one year from date of installation. Extended service agreements are available. Contact your company's loss prevention manager or an NKL sales representative for details. To obtain warranty service, contact NKL Technical Support. Contacting a service provider directly will void your warranty.

For more information refer to the NKL Warranty at the rear of this manual.

2 FACILITIES

INTELLISAFE FRONT VIEW

Refer to Figure 2-1 for descriptions to follow.

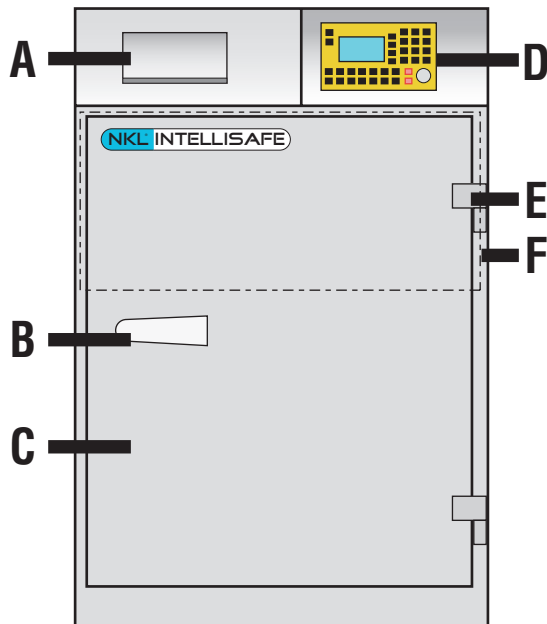


Figure 2-1: NKL Intellisafe

A—MANUAL DROP DRAWER

When making a manual drop, cash is inserted into an envelope, with the drop receipt, and put into the safe via this opening. The drawer includes an anti-fish feature to prevent extracting cash back through the opening after it is dropped inside.

B—OUTER DOOR

The outer door is made of ½ inch A-36 steel. The door is laser cut for a perfect fit. It is equipped with a high quality 5-point boltwork for the best of security and efficient operation.

C—HANDLE

The “L” style handle on this safe turns 90° right (clockwise) to open. When the handle is turned, its bolts retract and lock open. When the door shuts, a spring loaded detent mechanism fires the bolts to lock the door and the handle automatically returns to the locked position.

D—AUDITLOK XLV PANEL

This is the keypad and display module found on controller units only. A blank panel with a door control trigger replaces the keypad on remote units.

E—HINGE

Safes have two welded hinges on which the door swings open, up to 180°. Do not attempt to clean hinges. Com-

mercial cleaning chemical will cause the hinge lubricant to break down, making it difficult to open or close the door.

F—INNER COMPARTMENT

This is the approximate location of the inner compartment. This space is used to hold manual drops. It is protected by its own inner door lock.

AUTOBANK D8 SERIES FRONT VIEW

Refer to Figure 2-2 for descriptions to follow.

G—MANUAL DROP DRAWER

When making a manual drop, cash is inserted into an envelope, with the drop receipt, and put into the safe via this opening. The drawer includes an anti-fish feature to prevent extracting cash back through the opening after it is dropped inside.

H—TUBELOCK KEYSWITCH

This Medeco® keyswitch is used to open and close the tubelock blocking bar. The purpose of this bar is to prevent accidental or unauthorized insertion of tubes or debris into the dispensing system.

I—HANDLE

The “T” style handle on this safe turns 90° right (clockwise) to open. When the handle is turned, its bolts retract and lock open. When the door shuts, a spring loaded detent mechanism fires the bolts to lock the door and the handle automatically returns to the locked position.

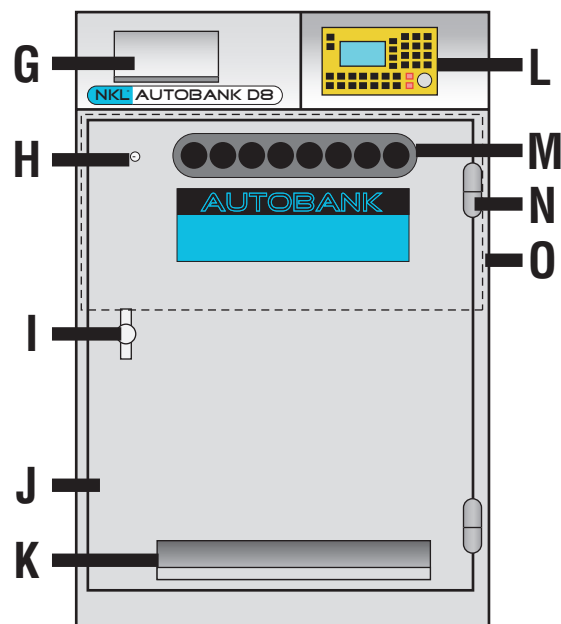


Figure 2-2: D8 Series Autobank

J—OUTER DOOR

The outer door is made of 3/8 inch A-36 steel. The door is laser cut for a perfect fit. It is equipped with a high quality, low profile boltwork for the best security and most efficient operation.

K—DISPENSORY CAPTURE TRAY

When tubes are vended, they drop into this tray area where they may be retrieved.

L—AUDITLOK XLV PANEL

This is the keypad and display module found on controller units, only. A blank panel with a door control trigger replaces the keypad on remote units.

M—Column Fill Openings

Tubes are loaded into the dispensing system through these opening. Columns are numbered 1 through 8, left to right as you look at the front of the safe. A tubelock blocking bar is provided to prevent accidental or unauthorized insertion of tubes or debris.

N—Hinge

Safes have two welded hinges on which the door swings open, up to 180°. Do not attempt to clean hinges. Commercial cleaning chemicals will cause the hinge lubricant to break down, making it difficult to open or close the door.

O—INNER COMPARTMENT

This is the approximate location of the optional inner compartment on D8 units. This space is used to hold manual drops. It is protected by its own inner door lock.

AUTOBANK V1 SERIES FRONT VIEW

Refer to Figure 2-3 for descriptions to follow.

The AuditLok XLV panel is a separate unit with the V1C single validator Autobank safe.

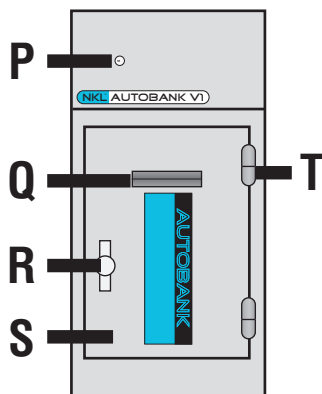


Figure 2-3: V1 Series Autobank

P—REMOTE FIRE SWITCH

Most “R” units (units without a built-in display) are equipped with a keyswitch or push-button to activate the lock locally.

Q—VALIDATOR BILL INSERTION BEZEL

This unit’s main feature is its bill validator. This opening is where bills are inserted into the validator. Internally, the validator is mounted on a bracket which folds down to allow access to remove the bill cassette.

R—HANDLE

A “T” style handle is used on this safe because of its low profile. It turns 90° right (clockwise) to open. When the handle is turned, its bolts retract and lock open. When the door shuts, a spring loaded detent mechanism fires the bolts to lock the door and the handle automatically returns to the locked position.

S—OUTER DOOR

The outer door is made of 3/8 inch A-36 steel. The door is laser cut for a perfect fit. It is equipped with a high quality, low profile boltwork for the best security and most efficient operation.

T—HINGE

Safes have two welded hinges on which the door swings open, up to 180°. Do not attempt to clean hinges. Commercial cleaning chemicals will cause the hinge lubricant to break down, making it difficult to open or close the door.

AUTOBANK V2 SERIES FRONT VIEW

Refer to Figure 2-4 for descriptions to follow.

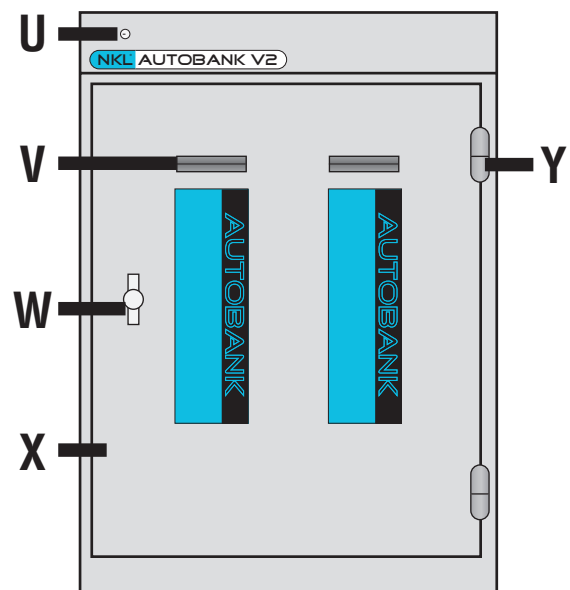


Figure 2-4: V2 Series Autobank

U—REMOTE FIRE SWITCH

Most “R” units (units without a built-in display) are equipped with a keyswitch or push-button to activate the lock locally.

V—VALIDATOR BILL INSERTION BEZEL

This unit’s main feature is its pair of bill validators. These openings are where bills are inserted into the validators. Internally, the validators are mounted on brackets behind an inner door. These brackets fold down to allow access to remove the bill cassettes.

W—HANDLE

The “T” style handle on this safe turns 90° right (clockwise) to open. When the handle is turned, its bolts retract and lock open. When the door shuts, a spring loaded detent mechanism fires the bolts to lock the door and the handle automatically returns to the locked position.

X—OUTER DOOR

The outer door is made of 3/8 inch A-36 steel. The door is laser cut for a perfect fit. It is equipped with a high quality, low profile boltwork for the best security and most efficient operation.

Y—HINGE

Safes have two welded hinges on which the door swings open, up to 180°. Do not attempt to clean hinges. Commercial cleaning chemicals will cause the hinge lubricant to break down, making it difficult to open or close the door.

REAR PANEL

All standard wiring connections are made via the rear panel. Refer to Figure 2-5 for the descriptions to follow.

ALARM CABLE

A cable feeds through the rear panel for connection to an external alarm system. If the safe is not connected to an alarm system, the cable should remain coiled neatly out of the way of other connections. This cable is only present on controller (C) units.

SAFE POWER

The AuditLok XLV is designed to operate with an external switch-mode power supply that produces the various voltages required by the display and other internal electronics.

AUX POWER

Validators on V1 and V2 units require an additional power supply. That supply is connected to this port. On EPR units, Aux Power is the main power supply input. On other units the Aux Power input may be used for special applications but, in general, it is not used.

MODEM

This standard RJ-45 port is used to connect a standard external modem. The safe will communicate by modem at 9600 baud. The modem feature supports phone access for remote diagnostics and monitoring. This port is used only on controller (C) units.

PRINTER

This standard RJ-45 port is used to connect the printer to the system controller unit.

DATA 1

In a multi-unit system, this port is used to daisy chain data from unit to unit. On controller units, this is the only data port used. On remote units, this port connects from the previous remote unit in the data daisy chain. See also Figure 3-1.

DATA 2

In a multi-unit system, this port is used on remote units to connect out to the next remote unit in the daisy chain. See also Figure 3-1.

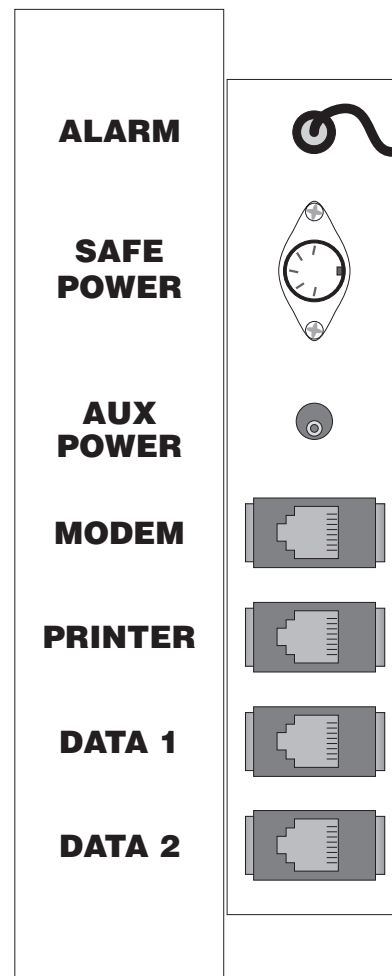


Figure 2-5: Rear Panel

AUDITLOK XLV DISPLAY PANEL

The AuditLok XLV display panel, whether mounted on the safe or a remote EPR unit, is easy to use with its fluorescent display, numeric keypad, select and action buttons. Refer to Figure 2-6 for descriptions to follow.

A—SCROLL BUTTONS

Two buttons are provided for scrolling through display options. The top scroll button scrolls up through a pick list or to the right if a line on the screen exceeds 20 characters. The lower scroll button scrolls down or to the left.

B—DISPLAY

This is an 80 character (4 rows, 20 columns) fluorescent display. This type of display can easily be read at some distance in almost any lighting condition.

C—SELECT ARROW BUTTONS

Four arrow buttons are provided, one for each row of the display. When a list is displayed, these arrow buttons are used to make selections.

D—NUMERIC KEYPAD

This is a standard numeric keypad. When you need to enter a number or make a numeric selection, enter the number as if you were pressing a calculator or dialing a phone. Note: It is often necessary to use the ENTER key after entering a number sequence on the keypad.

E—CLEAR BUTTON

When entering a number, use the CLEAR button to back up a space or delete a mistake.

F—ENTER BUTTON

When entering a number, use the Enter button to accept the number sequence you typed.

G—KEY PORT

The key port is used to read electronic keys. Electronic keys are a type of identifier used to gain system access.

H—ACTION BUTTONS

Not all action buttons apply to every safe, but any given system could use almost any combination of action buttons depending on the application.

LOAD: On D8 units, this button is used when adding tubes to the dispensing system.

VEND: On D8 units, this button is used to get change tubes from the dispensing system.

DROP: This button is used when making manual or validator drops. Most safes offer one or both methods of making drops.

UNLOAD: On D8 units, this button is used to empty all tubes from a column for maintenance.

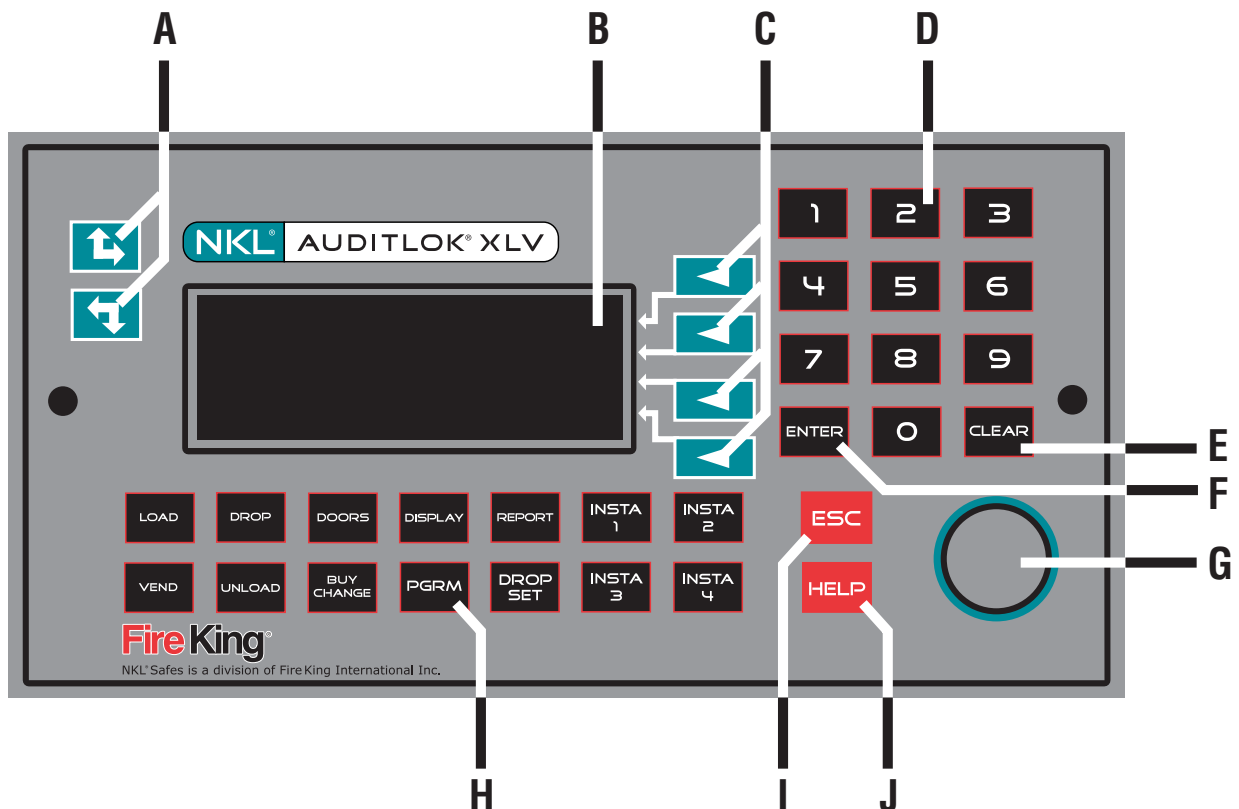


Figure 2-6: AuditLok XLV Keypad & Display Panel

DOORS: This button is used when opening safe doors.

BUY CHANGE: To use this button, the system must include both a dispensing safe and at least one validator. This button is used when purchasing change from the dispensing unit by making a drop to a validator.

display: This button is used to check system information such as time and date, various delays that may be in progress, and obtain general information about your system including how to contact Technical Support.

PGRM: The program button is used to enroll or modify users, or to edit system setup parameters.

DROP SET: This button is used with V1 or V2 units to setup Insta-Drop or Extended Drop operation.

INSTA 1, 2, 3, 4: These buttons are used with V1 or V2 units when using the Insta-Drop feature. The purpose is the convenience of making one-button validator drops while maintaining audited accountability.

I—ESC BUTTON

At almost any point in almost any procedure, you may use the ESC button to back up a full step. Also, the ESC button is used to allow positive user completion of certain activities such as loading tubes or making validator drops. From the idle screen use the ESC button to view the phone number for NKL Technical Service or perform a simple communication diagnostic check.

J—HELP BUTTON

This feature is not implemented.

3 FEATURES

DOOR LOCKING SYSTEM

The AuditLok XLV system is an electronic door locking system. Locks may be named, have time delays, and timelocks.

When an outer door opens, it must be closed again within a few minutes or an alarm will sound. When the door is opened, a mechanical detent holds the bolts back to prevent accidental hardware damage when the door is shut. The automatic detent also causes the door to automatically lock when the door shuts to prevent exposure and theft.

In a robbery, the door may be opened with a duress code which allows normal access while sending a silent alarm.

CASH

Money entering the safe via validator or manual drop is tracked as "cash." If you have more than one safe in your system, the system may be setup to track cash from individual units (box cash) as well as groups of safes (macro cash).

VALIDATORS

V1 and V2 safes have Validators. When a validator is activated, the operator simply inserts the bill into the acceptor. The unit draws in the bill, validates its authenticity and denomination, then stacks the bill in its cassette until removed for either armor car pick up or bank deposit. Validator cassettes are accessed by tilting the validator bracket assembly forward and releasing the validator cassette.

DISPENSING SYSTEM

D8 units hold up to 80 tubes in the vending mechanism. Tubes are loaded through the openings at the top of the door and are vended out to the dispensing tray at the bottom of the door. The vending mechanism tracks tube status. This assembly also prevents unauthorized access to the tubes from the opening in the bottom of the safe door. A tube lock prevents unauthorized loading as well as any attempts to fish a tube out through the top.

REPORTS & RECEIPTS

The ability to print reports and receipts is key to the overall purpose of the AuditLok XLV. A variety of financial and system reports are available.

Financial reports include individual or grand Operator (X), Cash (on hand), and End Day (Z Grand) Reports. Any operator, regardless of report permission, can view or print their own Operator Report for their shift. Operator

Reports zero out when the daily net cash End Day Z Grand Report is run.

The Audit Report shows every event in the system during a specific time period. It tracks personnel activity, system events, and financial transactions. This sort of data is useful not only for theft detection and deterrence, but also for tracking operational trends.

Other system reports include an Enrolled User report and a Configuration Report. The former prints a list of enrolled users and lists their permissions while the latter displays a list of system components and their critical settings.

Receipts print automatically as the result of operator activity. For example, if you vend a tube, a vend receipt prints automatically. Other automatic receipts include load, unload, drop, and deposit.

USERS

A user is a person with at least some access to AuditLok XLV features. A user has an identifier (key, fingerprint, or user number) and a PIN for positive identification. Users are assigned a set of permissions when enrolled (a manager of sufficient authority may edit those permissions). Up to 100 users may be enrolled. The system may require users to change their PIN after a certain number of days, and may automatically remove users from the system who don't use the system for an extended period.

AUDIT TRAIL

The AuditLok XLV derives its name from this feature. It is the cornerstone of the operating system. The system audit trail includes the complete history of the unit for more than 20,000 transactions. Everything done in the system is recorded with a transaction number, time stamp, identifier of the person performing the action, and the details of the event. For example, the safe will record the identity of the person who opens a safe door, when the door was opened, how long it remained open, and whether that operator chose to remove any available cash from behind that door.

PROGRAMMING

Your system is pre-configured at the factory according to your organization's requirements. Virtually every facet of your system may be customized, from timelocks to names of doors, to column values. Your system configuration may only be edited by authorized personnel. The only programming normally done in the field is the enrollment of users or editing of user status or permissions. Consult your supervisor or security manager for information about your specific application.

ELECTRONICS

A central processing unit (CPU) module is at the heart of any AuditLok XLV system. The CPU is where system data is stored, and it is the device that controls and monitors all other system components.

Other electronic components, such as door controllers, vending controllers, and validator controllers also have mini-processors to control their own operation and the general control of the main CPU. These components maintain within them the last few audit trail lines so that, in the event of a burglary, these minor electronic components can report the last events recorded in the audit trail even when the CPU is damaged.

POWER

Electronics require electricity to operate. All units use the same type power supply, and should be powered by a UPS (uninterruptible power supply). Validator units will have a second (auxiliary) power supply. The UPS and power supply components should be accessible in the event that service is required.

SYSTEM INTERCONNECTION

AuditLok XLV system components share information, much as a computer network shares information. Units

are physically interconnected, again, similar to a network. This is done using standard computer network style RJ-45 cables. Up to 31 remote units may be connected to a single controller unit. Figure 3-1 shows an example of how a multiple unit system is interconnected.

PRINTER

Every AuditLok XLV controller unit is shipped with a serial line printer for printing receipts and reports. The printer connects to the controlling unit via an RJ-45 cable (see Figure 2-5).

MODEM

An external modem may be connected to the AuditLok XLV in order to access audit data, download reports, check system setup parameters, and even modify the system configuration, if needed.

ALARM

If used, a cable coming from the rear panel of the controller unit connects to the building alarm system. The cable provides a simple control signal to alert the authorities in the event that a door is opened with a control signal from the electronics (burglary), or if a user enters a duress PIN code (robbery).

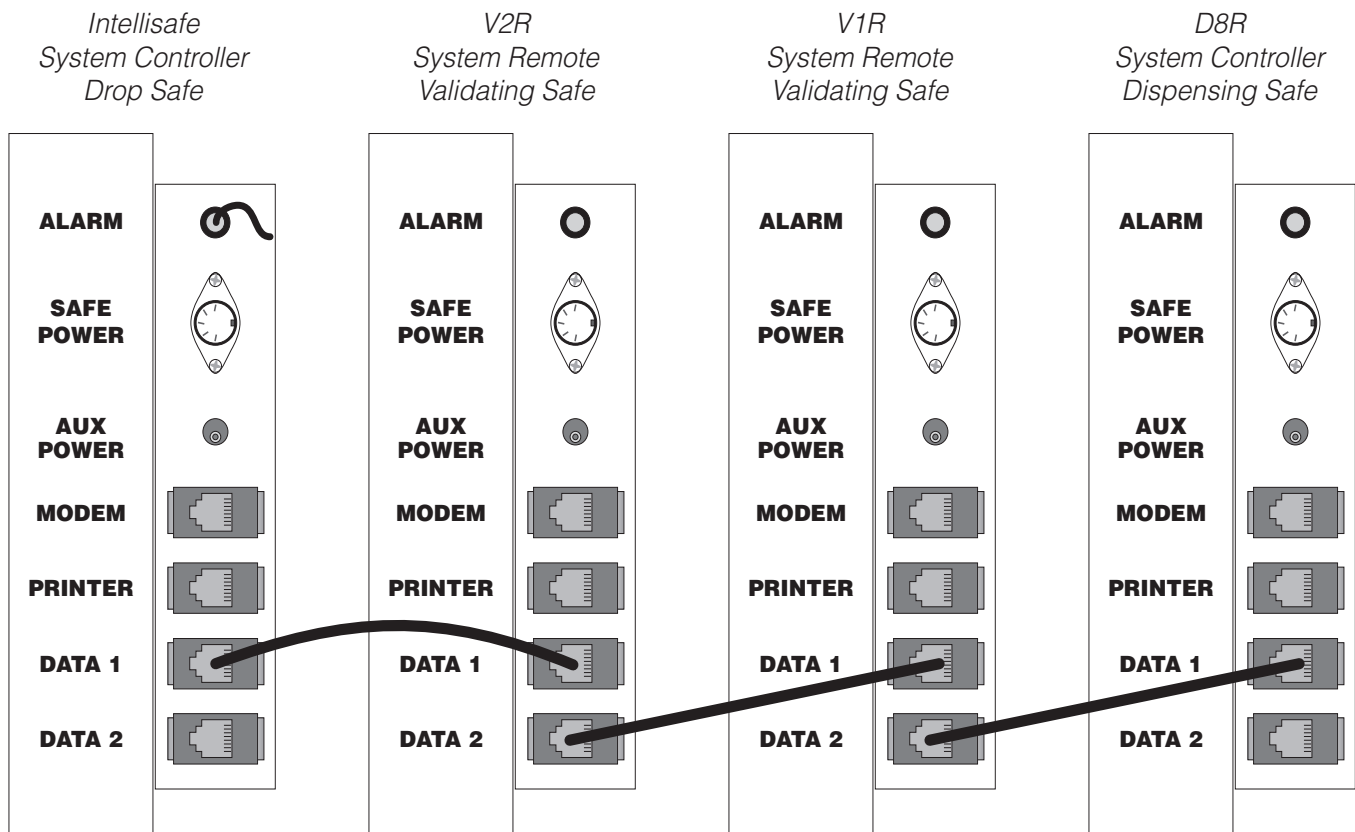


Figure 3-1: AuditLok XLV System Data Interconnection

4 PROCEDURES

EXAMPLE SYSTEM

Although your system is probably different than the one shown below, this example system is used to illustrate various procedures in the pages to follow. This example system includes one controller (D8C) and two remote units (V2R and V1R).

ASSUMPTIONS

These instructions assume that your system is properly setup, it is operating properly, and that the user has the required permissions. These instructions also assume no errors (operator or hardware) occur while following procedures, and that procedures are followed as written.

TYPES OF PROCEDURES

Operators include personnel ranging from clerks with minimal permissions to managers who perform all of the operations documented in this manual to administrators with authority to edit the system configuration. The Quick Guide supplied with your safe is an excellent full color reference for employees. This manual includes more detailed information and covers manager level operations such as loading and unloading tubes, door operations, reports, and so forth. Advanced configuration programming is beyond the scope of store employees or managers and is therefore not included in this manual.

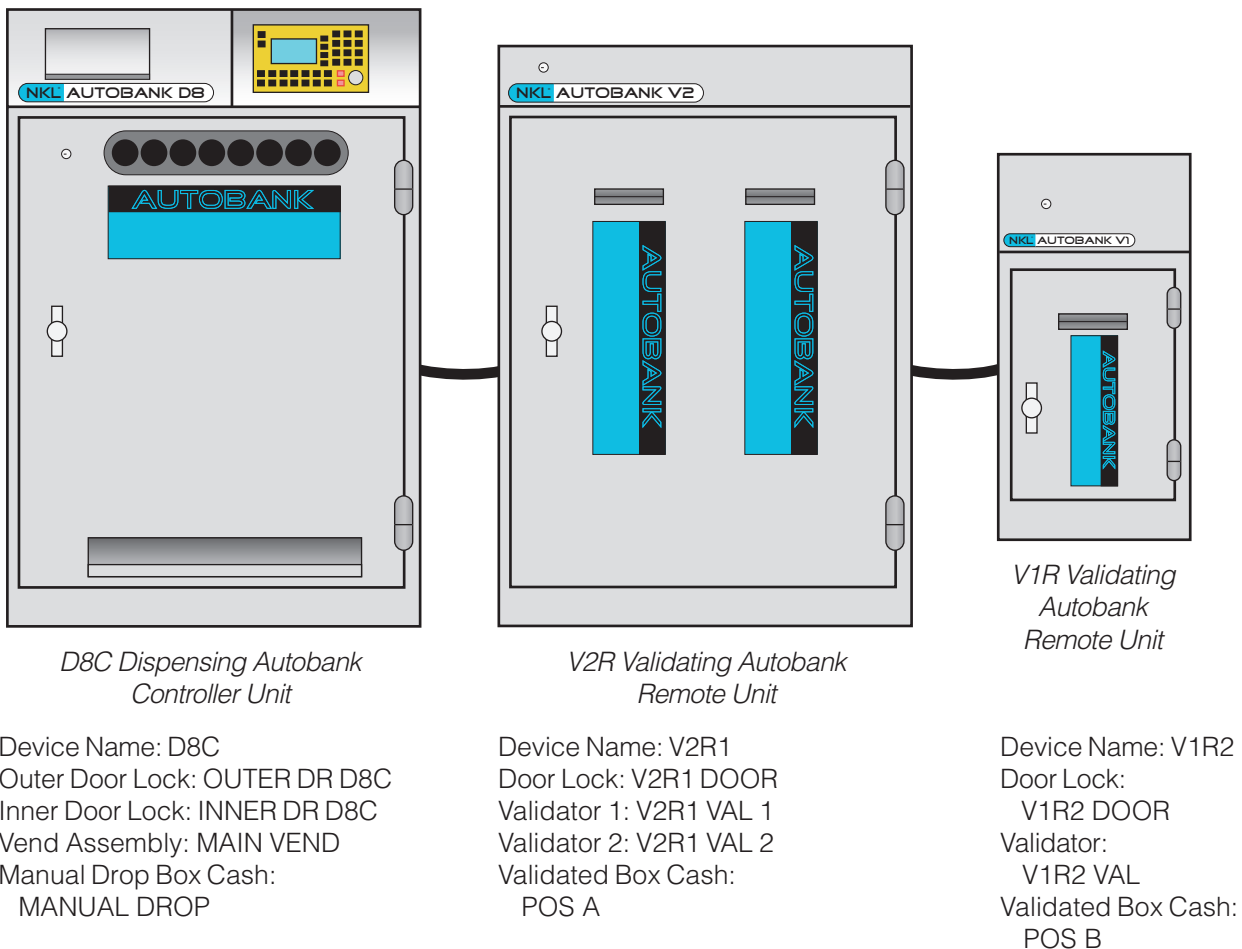


Figure 4-1: Example System

DOOR ACCESS

Use this procedure when opening doors, including withdrawing money from the safe for bank deposit. If you use an armor car service, refer to the procedure for Armor Car Door Access.

STEP BY STEP

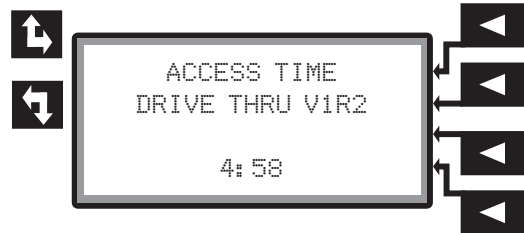
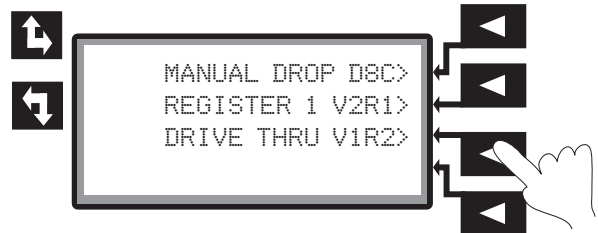
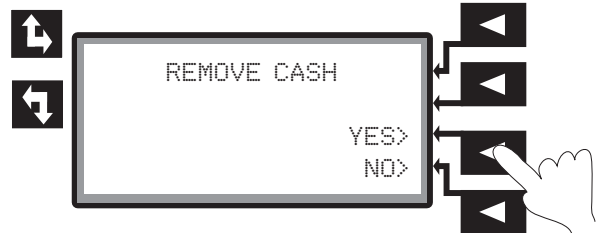
1. Press DOORS.
2. Present identifier and press ENTER, if required.
3. Enter PIN.¹
4. When prompted to remove cash, select YES or NO as desired. By selecting YES, you will zero the amount in drops for the cash behind the door(s) you open.²
5. A list of cash (or doors) available to you will appear. Scroll, if necessary, until the name of the cash or door you want is listed. Press the appropriate arrow button to select your choice.²
6. If the requested cash or door has a delay, wait for the delay to expire. Once the delay has expired, an access period will begin and the safe will beep until you press a button. Repeat Steps 1 through 5 above.
7. Lock solenoids will energize and unlock for only a few seconds. Open the door(s) immediately, when instructed. For remote units, go to the desired unit and press the door fire button (or turn door key), then immediately open the door. Repeat as needed for each additional door of the cash macro.
8. If you are accessing an interior door, you must first open the outer door as instructed, then open the inner door when prompted.
9. If you chose to remove cash, a deposit report will print automatically when the door opens.
10. Shut all doors as soon as your business inside the safe is done. The door will automatically relock. Failure to close the door in a timely manner will result in a door alarm and will show up on the audit trail as a violation.

¹Add 1 to your PIN to activate the silent robbery "duress" signal output from the safe. For example, if your PIN were 1-2-3-4, using the PIN 1-2-3-5 will send the duress signal. Avoid using the "9" as the last digit of your PIN because the duress code would then require you to change two digits, making it more difficult to remember during a robbery. Also, if entering the duress PIN you must enter it a second time to confirm.

²Once a door delay is in progress, you may abort the door request by repeating this procedure and making exactly the same choices for cash removal and door/cash choice.



Log In: Action Button + Identifier + PIN



Repeat Above



Open Door



ARMORED CAR DOOR ACCESS

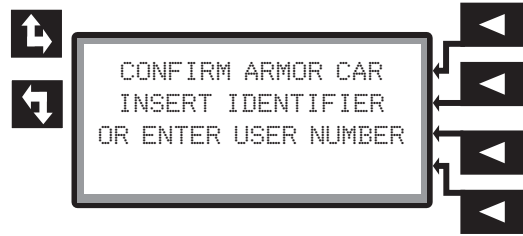
Use this procedure when withdrawing money from the safe for an armored car service.

STEP BY STEP

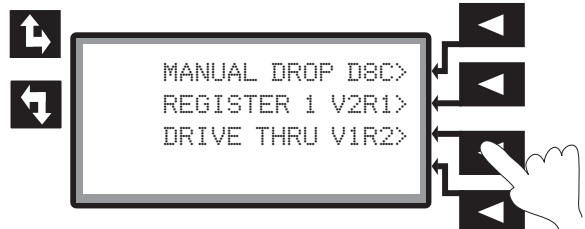
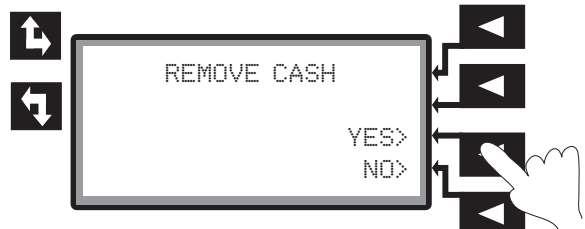
1. Press DOORS.
2. Present Armor Car Key.
3. When prompted, present identifier and press ENTER, if required, to verify armor car key.
4. Enter PIN.
5. When asked whether to remove cash, select YES>.
6. A list of cash available to you will appear. Scroll, if necessary, until the name of the cash you want to remove is listed. Press the appropriate arrow button to select the desired cash.
7. Lock solenoids will energize and unlock for only a few seconds. Open the door(s) immediately, when instructed. For remote units, go to the desired unit and press the door fire button (or turn door key), then immediately open the door. Repeat as needed for each additional door of the cash macro.
8. If you are accessing an interior door, you must first open the outer door as instructed, then open the inner door when prompted.
9. A deposit receipt will print automatically when the door opens. You will be "charged" for the drop(s) removed.
10. Shut all doors as soon as your business inside the safe is done. The door will automatically relock. Failure to close the door in a timely manner will result in a door alarm and will show up on the audit trail as a violation.



Armor Car Key Initial Log In



Log In: Action Button + Identifier + PIN



Open Door



VEND

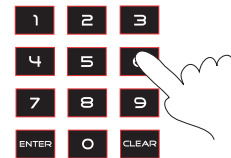
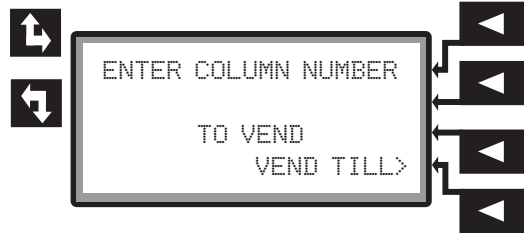
Use this procedure to get change from a D8 dispensing safe for your till. The person making the vend will be "charged" for the vend.

STEP BY STEP

1. Press VEND.
2. Present identifier and press ENTER, if required.
3. Enter PIN.
4. Select the column number to vend from (columns are numbered 1 to 8, left to right across the front of the D8). To vend a till of tubes select VEND TILL. Note that you may only vend one till per user in any twelve hour period.
5. Retrieve the tube(s) from the dispensing tray at the bottom of the door. A vend receipt will print automatically.
6. When you vend, a short delay prevents immediately vending again until the vend delay is finished.



Log In: Action Button + Identifier + PIN



LOAD

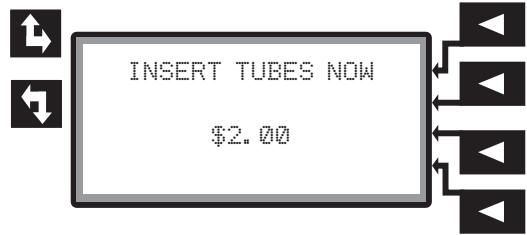
Use this procedure to add tubes to the dispensing system of a D8 for future vending. Failure to use this procedure will result in inability to vend tubes.

STEP BY STEP

1. Press LOAD.
2. Present identifier and press ENTER, if required.
3. Enter PIN.
4. Move the tubelock to the unlocked position.
5. Load tubes as desired. Watch the display to verify a correct tube count.
6. When done loading, press ESC to exit the procedure and print your load receipt. You will be "credited" for the tubes loaded. Doublecheck the load receipt to verify accuracy.
7. Return the tubelock to the locked position.



Log In: Action Button + Identifier + PIN



UNLOAD

Use this procedure to empty an entire column of tubes to clear the tube totals. This procedure is performed in order to correct tube count errors or extract tubes loaded in error.

STEP BY STEP

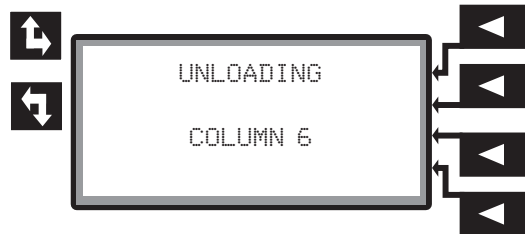
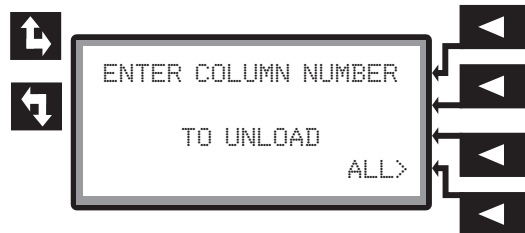
1. Press UNLOAD.
2. Present identifier and press ENTER, if required.
3. Enter PIN.
4. An unload delay will begin. At the end of the delay, repeat steps 1 to 3.
5. Enter a column number from the keypad. To unload additional columns, repeat steps 1 to 3 and select the additional column to unload. You may repeat as needed at any point in the unload access time. To unload all columns at once, choose ALL using the appropriate select arrow button.
6. An unload receipt will print automatically and you will be "charged" for the unloaded tubes.



Log In: Action Button + Identifier + PIN



Log In: Action Button + Identifier + PIN



MANUAL DROPS

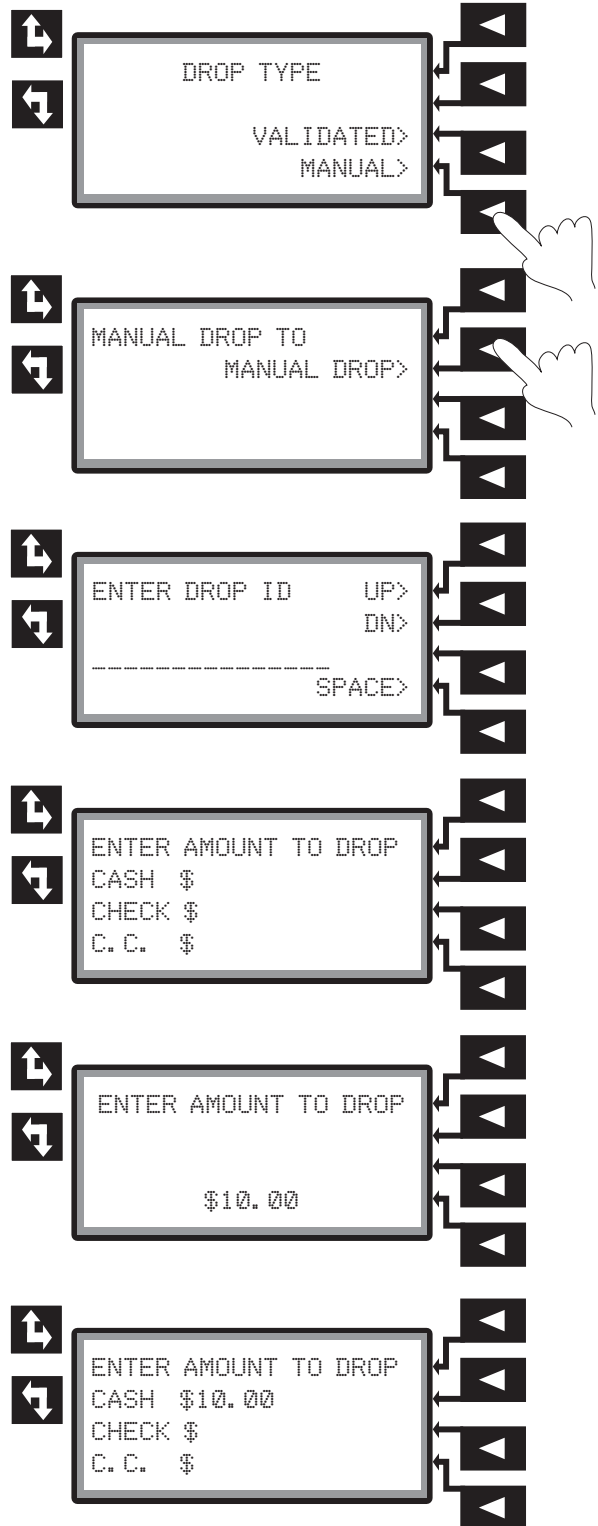
Use this procedure to make a manual drop via your manual drop drawer.

STEP BY STEP

1. Press DROP.
2. Present identifier and press ENTER, if required.
3. Enter PIN.
4. When prompted to for drop type, select MANUAL.
5. Select the cash location where you are making your drop.
6. Enter a DROP ID (15 character alphanumeric) if desired, then press ENTER.
7. Select the type of money you are dropping (cash, check, or credit card receipts).
8. Enter the amount of money you are dropping and press ENTER to accept.
9. Repeat steps 6 and 7 as needed if dropping more than one type of money at the same time or to correct an erroneous entry.
10. Press ENTER to accept the money value(s) shown.
11. A drop receipt will print automatically. You will be "credited" with the amount of the drop. *Most businesses require you to place the drop receipt in the envelope with the money before physically making the drop. Consult your manager regarding your business procedure.*



Log In: Action Button + Identifier + PIN



Place receipt in envelope and make drop

VALIDATOR DROPS

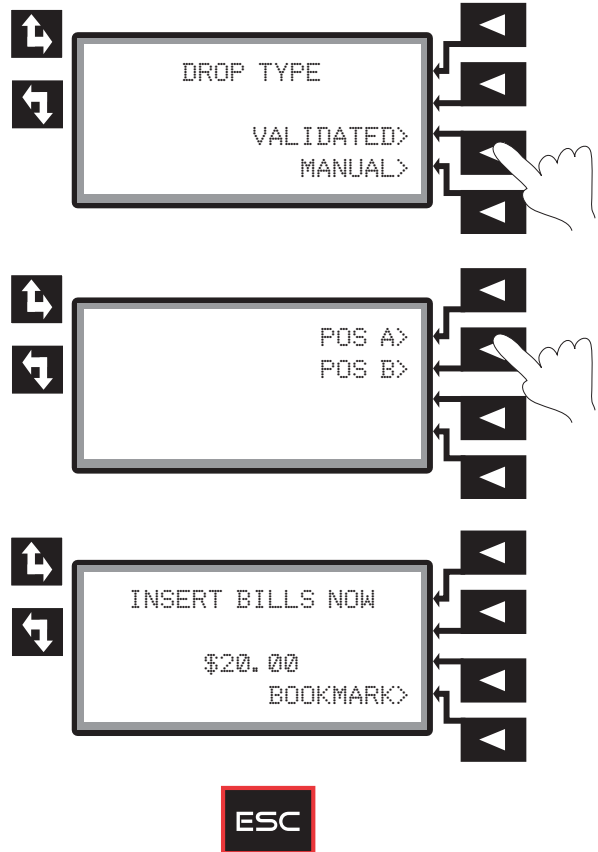
This is the standard procedure for making validated drops. If you wish to use the Extended Drop or Insta-Drop features, refer to the applicable instructions.

STEP BY STEP

1. Press DROP.
2. Present identifier and press ENTER, if required.
3. Enter PIN.
4. When prompted for drop type, select VALIDATED.
5. Select the cash location where you are making your drop.
6. Insert bills as needed to the chosen location.
7. To insert a bookmark, simply select BOOKMARK and insert your bookmark to chosen validator(s).
8. To end the drop, press ESC.
9. A drop receipt will print automatically. You will be "credited" with the amount dropped.



Log In: Action Button + Identifier + PIN

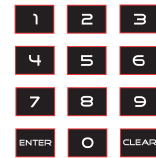


BUY CHANGE

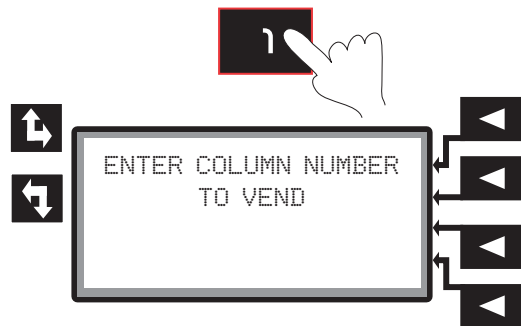
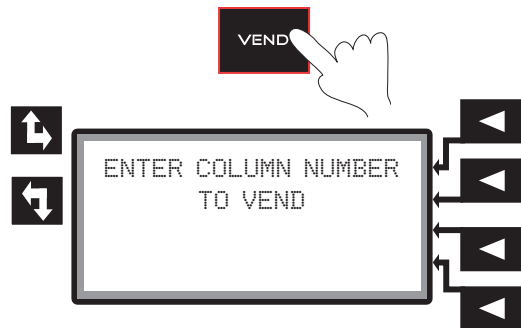
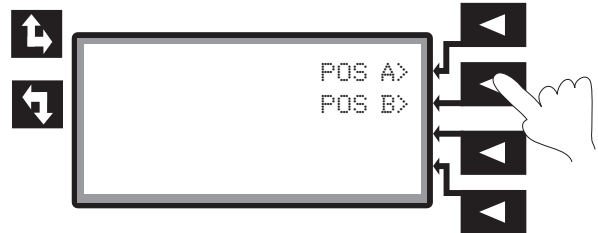
Use this procedure to combine vending and validating for immediate access to till change.

STEP BY STEP

1. Press BUY CHANGE.
2. Present identifier and press ENTER, if required.
3. Enter PIN.
4. Select the cash location where you are making your drop.
5. When you have completed your drop, press VEND to obtain change.
6. Select the vending unit to vend from (if required).
7. Select the column to vend from. *Tube value must be equal to or lesser than the net drop amount.*
8. If you still have a positive net drop amount, you may vend again until your net drop amount reaches zero. If you attempt to get more change than you have credit for, you will be asked to insert more bills. If you drop more bills, you must then press VEND again to obtain additional change.
9. To end the procedure press ESC.
10. The vend delay will start. *The vend delay need not be satisfied in order to use the Buy Change feature again.*



Log In: Action Button + Identifier + PIN



INSTA-DROP

Insta-Drop is a convenience feature which allows a up to four users to have one-button access to make validator drops to one cash location during the day. Log into an Insta-Drop button, then use the button during the day to make drops. At the end of your shift, simply log out to make the button available to other users.

STEP BY STEP: LOG INTO INSTA-DROP

1. Press DROP SET.
2. Present identifier and press ENTER, if required.
3. Enter PIN.
4. When prompted, select INSTA DROP SET.
5. Insta-Drop buttons 1 to 4 are listed top to bottom. Select an available button to log into.
6. Select an available validator to associate with your Insta-Drop button. You are now ready to use your Insta-Drop button.

STEP BY STEP: USING INSTA-DROP

1. Press your INSTA # button.
2. Insert bills into your validator.
3. Press ESC to complete drop. A receipt will print automatically.



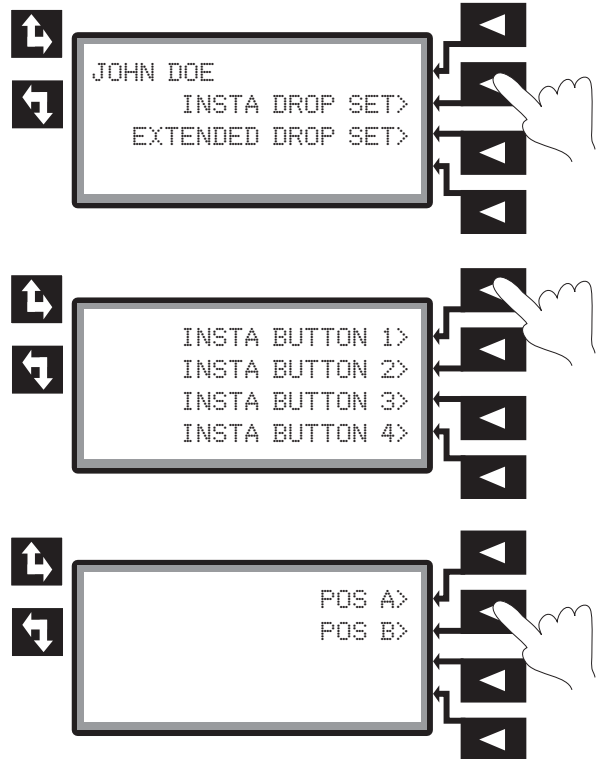
STEP BY STEP: MANUAL LOG OFF INSTA-DROP

1. Press DROP SET.
2. Present key, or enter User ID and press ENTER.
3. Enter PIN.
4. When prompted, select INSTA DROP SET.
5. Insta-Drop buttons 1 to 4 are listed top to bottom. Select the button you are currently logged into.
6. Select REMOVE to confirm you want to log off the Insta-Drop button.

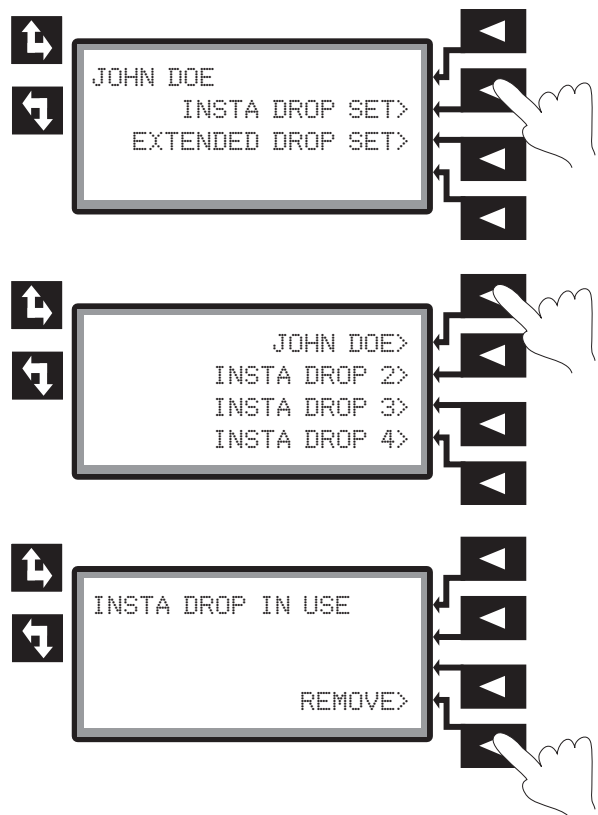
Note: Employees automatically log off by running their own operator shift report. All Insta-Drop drop users are also automatically logged off when the End Day report is ran.



Log In: Action Button + Identifier + PIN



Log In Again



EXTENDED DROP

Extended Drop is a convenience feature which allows a user to log onto a validator and make drops at will during the day. This is for a validator that is dedicated to one individual. The validator will remain active at all times until you log out of Extended Drop. All bills dropped into that validator are credited to you. At the end of your shift, simply log out to make the validator available to other users.

STEP BY STEP: LOG INTO EXTENDED DROP

1. Press DROP SET.
2. Present identifier and press ENTER, if required.
3. Enter PIN.
4. When prompted, select EXTENDED DROP SET.
5. Select an available validator.
6. If you have sufficient authority, you may be able to log others on and off. If so, you will also have to select a user (such as yourself) to assign to the Extended Drop function on the selected validator. You are now ready to make drops at will to that validator.

STEP BY STEP: USING EXTENDED DROP

1. Insert bills into your validator. Note: If anyone else makes a drop to that validator, you are the one who will get credit for the drop.

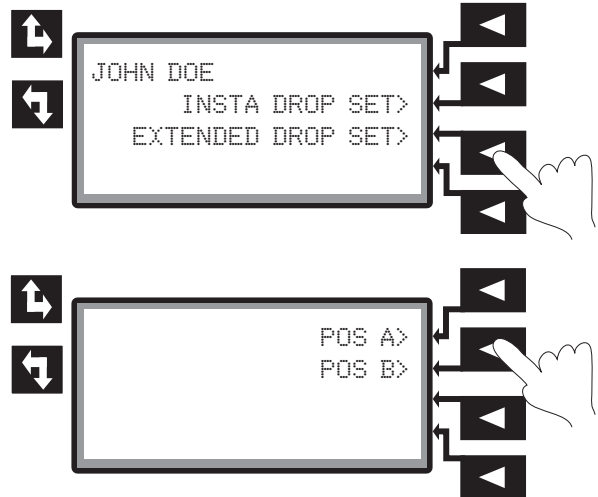
STEP BY STEP: MANUAL LOG OFF EXTENDED DROP

1. Press DROP SET.
2. Present key, or enter User ID and press ENTER.
3. Enter PIN.
4. When prompted, select EXTENDED DROP SET.
5. Select the validator you are currently logged into.
6. When prompted that Extended Drop is already in use on that validator, select CANCEL to log off Extended Drop.

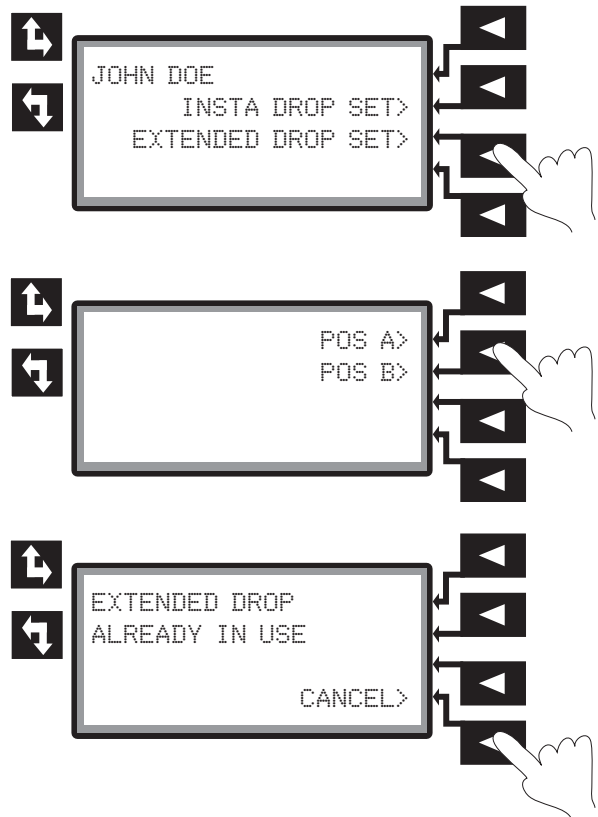
Note: Employees automatically log off by running their own operator shift report. All Extended Drop drop users are also automatically logged off when the End Day report is ran.



Log In: Action Button + Identifier + PIN



Log In Again



PRINTING REPORTS

Use this procedure to print any type of report. Before printing a lengthy report such as an audit trail or enrolled user report make sure the printer has enough paper. For complete descriptions of reports refer to Section 7.

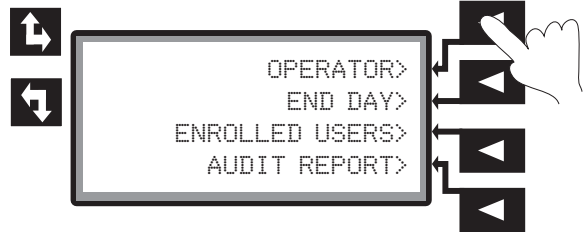
STEP BY STEP

1. Press REPORT.
2. Present identifier and press ENTER, if required.
3. Enter PIN.
4. Select the type of report to print. Note that you will have to scroll down to access additional reports, such as the Config Report. If you do not have report permissions your own Operator Report (Shift Report) will print automatically.
5. If you select OPERATOR, choose an individual or select ALL.
6. If you select AUDIT REPORT, enter the report period. Date format is MM/DD/YY. Time is always entered in 24 hour format. You will also be prompted to show all users or you may choose only certain users. You are then prompted to show some or all events. Unlike other reports, you have the option to display the audit report on the screen rather than print it out. If you display the audit, use the scroll buttons to view entries.
7. If you select one of the "past" reports, you must specify the date for the report you wish to reprint.

NOTE: Running an Operator Report will automatically log out the selected user(s) from Insta-Drop or Extended Drop. Running an End Day report will automatically log all users out of Insta-Drop and Extended Drop.



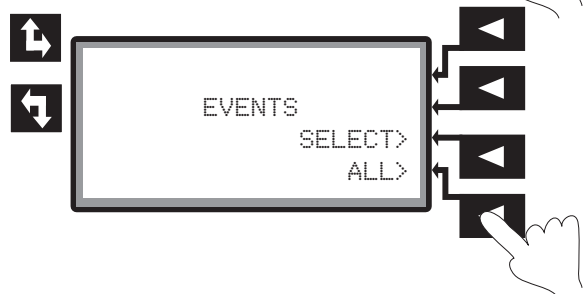
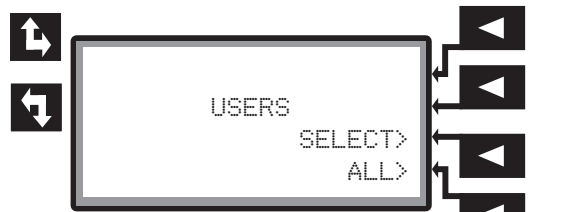
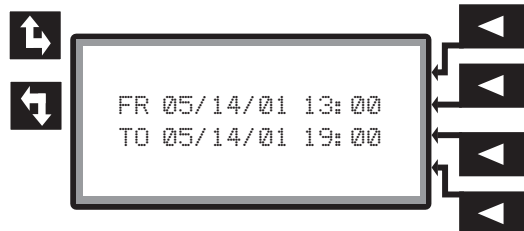
Log In: Action Button + Identifier + PIN



If You Select OPERATOR:



If You Select AUDIT REPORT:



CHANGE PIN

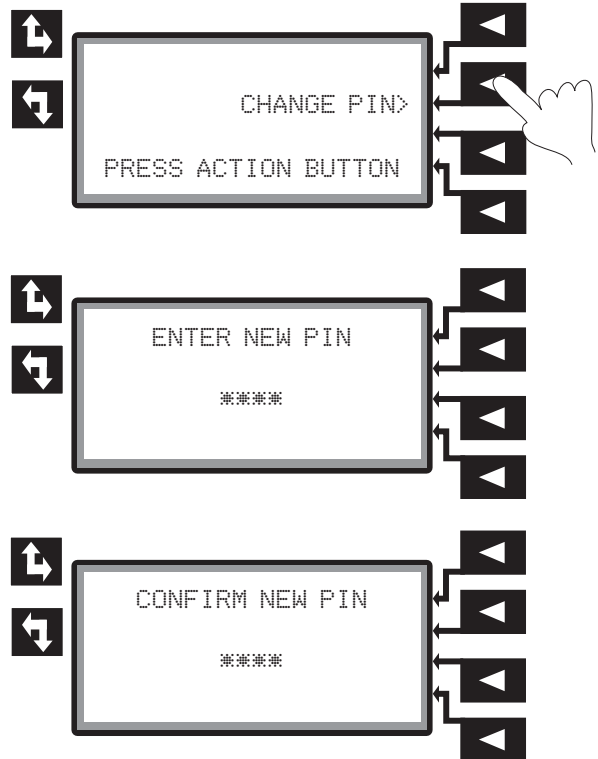
Every enrolled user has the option to change their own PIN at any time.

STEP BY STEP

1. Present identifier and press ENTER, if required.
2. Enter PIN.
3. When prompted to select an action button or change your PIN, select CHANGE PIN.
4. Enter your new PIN.
5. To confirm the new PIN, enter it again. Your PIN is now changed.



Log In: Identifier + PIN



ENROLL KEYLESS USER

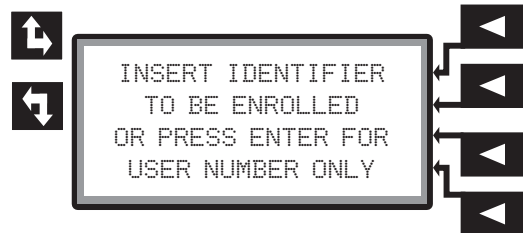
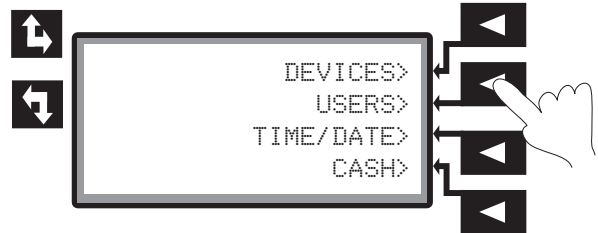
Use this procedure to add access rights for new personnel. *Note: You may not enroll any new users at a higher permission than you have.*

STEP BY STEP

1. Press PGRM.
2. Present identifier and press ENTER, if required.
3. Enter PIN.
4. From the list of available programming options, select USERS.
5. From the list of available user options, select ENROLL.
6. Press ENTER for enrolling a user with an ID Number only. Note the assigned User ID Number.
7. Select a permission level to assign. *You may not assign a permission level higher than your own.*
8. Enter a personal ID number. This is a 9-digit number and should be the person's Social Security Number or other easy-to-remember number. *Note: You may not duplicate personal ID numbers or edit a person's personal ID later.*
9. Enter the person's name. Use the top right select buttons to change the alpha value, then use the scroll buttons to move to the next character. Names may be up to 15 characters in length. Press ENTER to accept the name.
10. Assign a temporary PIN to the user, then enter it again to confirm. *A temporary PIN of 1234 is recommended. The first time the user logs in, they will be required to change their PIN. This makes the user solely accountable for their PIN.*



Log In: Action Button + Identifier + PIN



Note ID Number



Re-enter PIN to Confirm

ENROLL KEY USER

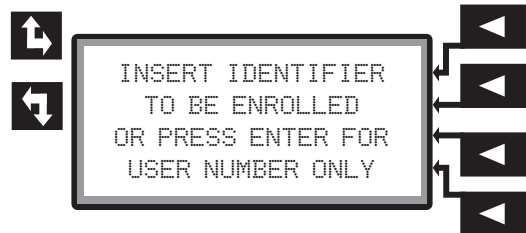
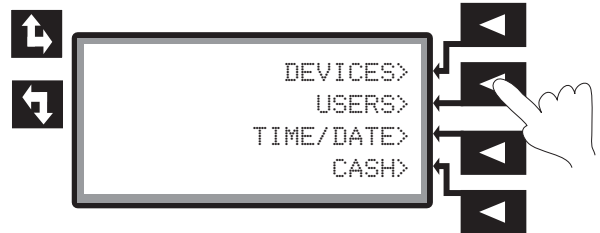
Use this procedure to add access rights for new personnel. *Note: You may not enroll any new users at a higher permission than you have unless those permissions are "burned" into the new user's key.*

STEP BY STEP

1. Press PGRM.
2. Present identifier and press ENTER, if required.
3. Enter PIN.
4. From the list of available programming options, select USERS.
5. From the list of available user options, select ENROLL.
6. Present the key to be enrolled at the key reader, then select OK to acknowledge the key data.
7. Select a permission level to assign. *You may not assign a permission level higher than your own. If the permissions are pre-defined by the key for you, this screen will not appear.*
8. Enter a personal ID number. This is a 9-digit number and should be the person's Social Security Number or other easy-to-remember number. If the person's key is ever lost, this number will be needed in order to generate a lost-key override. *Note: You may not duplicate personal ID numbers or edit a person's personal ID later.*
9. Enter the person's name. Use the top right select buttons to change the alpha value, then use the scroll buttons to move to the next character. Names may be up to 15 characters in length. Press ENTER to accept the name.
10. Assign a temporary PIN to the user, then enter it again to confirm. *A temporary PIN of 1234 is recommended. The first time the user logs in, they will be required to change their PIN. This makes the user solely accountable for their PIN.*



Log In: Action Button + Identifier + PIN



Acknowledge Key Data



Re-enter PIN to Confirm

ENROLL FINGERPRINT USER

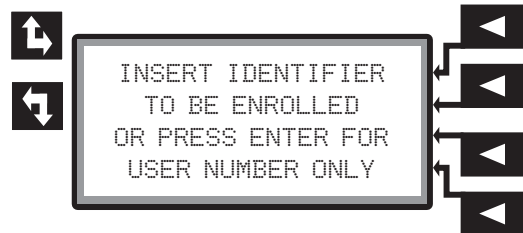
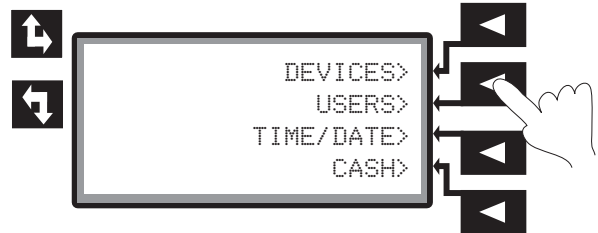
Note that a user enrolled with a fingerprint in one reader is not enrolled at any other fingerprint reader, even in the same system. You may not enroll any new users at a higher permission than yourself. **Caution: The most important aspect of enrolling a user with a fingerprint is that the user must present the same finger in exactly the same position, every time they use the system.**

STEP BY STEP

1. Press PGRM.
2. Present identifier and press ENTER, if required.
3. Enter PIN.
4. Select USERS.
5. Select ENROLL.
6. The user being enrolled must present a finger (not a thumb) to the fingerprint reader. **HOLD THE FINGER STILL UNTIL THE SCREEN CHANGES. To position the finger, slide it over the ridge in the reader pad such that it rests directly on the reader pad with the first knuckle crease on the ridge below the reader pad. The user should be comfortable with this position. The user must always present the same finger in the same position when using the system after enrollment.**
7. Select a permission level to assign. *You may not assign a permission level higher than your own.*
8. Enter a personal ID number. This is a 9-digit number and should be the person's Social Security Number or other easy-to-remember number. *Note: You may not duplicate personal ID numbers or edit a person's personal ID later.*
9. Enter the person's name. Use the top right select buttons to change the alpha value, then use the scroll buttons to move to the next character. Names may be up to 15 characters in length. Press ENTER to accept the name.
10. Assign a temporary PIN to the user, then enter it again to confirm. *A temporary PIN of 1234 is recommended. The first time the user logs in, they will be required to change their PIN. This makes the user solely accountable for their PIN.*



Log In: Action Button + Identifier + PIN



Present Finger to Fingerprint Reader Pad



Re-enter PIN to Confirm

PERMISSION	ADMINISTRATOR	SUPERVISOR	MANAGER	ASST. MANAGER	LEAD OPERATOR	OPERATOR
Groups	00-05	00-05	00-05	00-01	00	00
Drop	✓	✓	✓	✓	✓	✓
Vend	*	*	*	*	*	*
Vend Till	*	*	*	*	*	*
Door	*	*	*	*	*	
Report, User	✓	✓	✓	✓	✓	
Report, Cash	✓	✓	✓	✓		
Report, View Audit	✓	✓	✓	✓		
Report, Print Audit	✓	✓	✓	✓		
Report, End Day	✓	✓	✓	✓		
Report, Config	✓	✓	✓	✓		
Drop Set Delete	✓	✓	✓	✓		
Load	✓	✓	✓	✓		
Unload	✓	✓	✓	✓		
Edit/Delete User	✓	✓	✓	✓		
Enroll User	✓	✓	✓			
Set Vend Delay	✓	✓				
Set Unload Delay	✓	✓				
Set Var Vend	✓	✓				
Set PIN Length	✓	✓				
Set Timelock	✓	✓				
Set Delay	✓	✓				
Set Access	✓	✓				
Set Alarm	✓	✓				
Set Dual key	✓	✓				
Setup Cash	✓	✓				
Set Col Values	✓	✓				
Set Receipt Print	✓	✓				
Set End of Day	✓	✓				
Set Time	✓	✓				
Set Date	✓	✓				
Set Key Require	✓	✓				
Edit Permissions	✓					
Edit Default Permissions	✓					
Edit Permission Names	✓					
Set PIN Auto-Delete	✓					
Set PIN Auto-Inactive	✓					
Set PIN Life	✓					
Device Add	✓					
Device Delete	✓					
Device Name	✓					
Set Door Behind	✓					
Set Door Fire Time	✓					
Set Idle Text	✓					

*Access to components in assigned GROUPS.

Once your system is placed in operation, there are six default user permission levels. As shown in the chart (left), the Administrator has absolute configuration authority (less certain items configured only by the factory). The Supervisor level can configure many system parameters and may operate all user functions. Managers have full operational authority, but no advanced programming permission. Assistant Managers have nearly the same authority as a Manager, but may not enroll others. Lead Operators differ from Operators in that Operators cannot access doors.

Note that your organization may have defined different defaults. Your system administrator can edit all user permissions.

Figure 4-2: Chart of Initial Factory Defined Default Permissions

EDIT USER STATUS

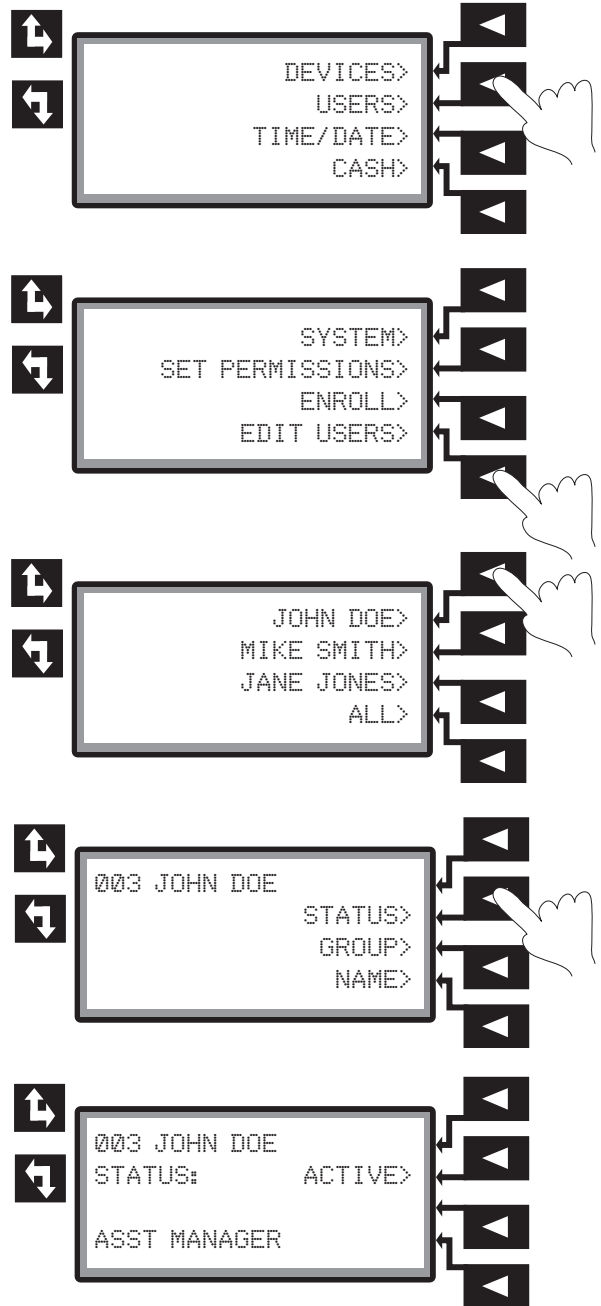
Use this procedure to delete an enrolled user, deactivate an enrolled user (if, for example, you want a user to come to you the next time they try to log into the safe), or set an enrolled user's PIN to a new temporary PIN (if, for example, a user forgets their PIN). You will want to delete a user if they are no longer employed at your location or otherwise no longer require access to the safe. To force a user to see a manager before using the safe again, or to temporarily disable the user if they are on vacation, set the user's status to Deactivate. If a user forgets their PIN, or to reactivate a deactivated user, set status to Temp Pin.

STEP BY STEP

1. Press PGRM.
2. Present identifier and press ENTER, if required.
3. Enter PIN.
4. From the list of available programming options, select USERS.
5. From the list of available user options, select EDIT USERS.
6. Select the name of the user to edit.
7. Choose to edit the user's status, their group assignment, or their name. Note: you may not edit another user's access to groups which you do not have access to yourself.
8. To change the user's status, select the STATUS line and it will cycle between active, inactive, and deleted. Switching a user from inactive to active will cause the user's old PIN to become a temporary PIN. Setting a user to deleted completely disables the user from the system. The user number will eventually become available once again for enrolling other users.



Log In: Action Button + Identifier + PIN



DISPLAY

The display button is used to check the status of any delays currently in progress.

STEP BY STEP

1. Press DISPLAY.
2. The screen will display any current delays that are in effect. If there is more than one delay in effect, continue pressing the DISPLAY button until the delay you want to check is displayed. If there are no delays in effect the DISPLAY button will not appear to do anything.

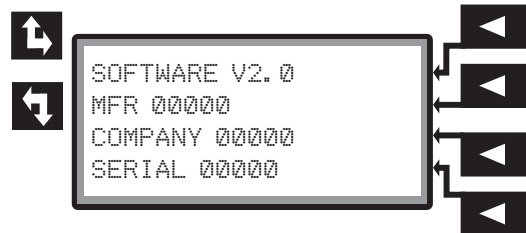
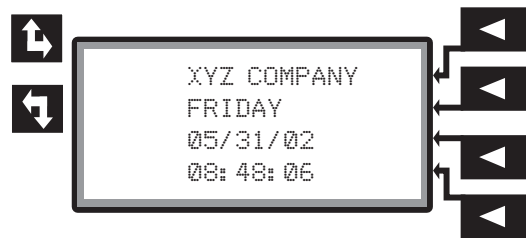


ESC

The ESC button, from the idle screen, is used to view service information and change the language displayed.

STEP BY STEP

1. At the idle screen press ESC.
2. To change the displayed language select LANGUAGE, then select your preference.
3. To contact NKL Technical Service you may display the 24-hour support phone number by selecting TECHNICAL SUPPORT. When speaking with a technician you will probably be asked for some information from the SOFTWARE screen or from the data that appears when you select DEVICES.
4. When you select DEVICES a series of screens display information about what electronics are in your system and the current communication status between the controlling unit and those components:
 - a. The upper left corner will display the name of a component part (or serial number if unnamed) in the system. Selecting NEXT will display the next component in the system.
 - b. Data in the upper right corner of the screen may be static or may be constantly changing.
 - c. The first number on the second line identifies the unit. Unit 00 is always the controller. Units 01 through 31 are remote units 1 through 31, respectively.
 - d. The second number in the second line identifies the component number within the unit. For example, if the first component is a validator, it will be identified as component 00. In the example shown, the third component (identified by the number 02) is displayed.
 - e. The third number in the second row identifies the type of component you are viewing. Component type 01 is a lock, component type 02 is a validator, and component type 03 is a vend assembly.
 - f. Other numbers on the second line may be ignored.
 - g. The number on the far right side of the third line indicates data signal strength between the component and the CPU. The maximum is 20 and a complete communication break is zero.
 - h. If you are unsure whether a device is working properly, check that all components are found by running this useful diagnostic. It verifies all components are found on all devices.



5 REPORTS & RECEIPTS

INTRODUCTION

The 20,000 LINE AUDIT TRAIL is the heart of the AuditLok XLV system. With the longest audit trail on any cash handling product available today, the AuditLok XLV offers the richest and most practical financial, operational, and system data for your business.

ABOUT REPORTS

Use the financial reports to track money flow for your business, keep track of drops and deposits, and maintain operating funds for cashier tills. Use additional reports, such as the Enrolled User Report and Config Report, to keep track of how both users and hardware are setup. The Audit Report can show you a detailed chronological list of activity for any period you specify, and can be limited to reviewing actions of specific users or types of transactions. You even have the option of displaying the data in lieu of printing out the information. A variety of activity receipts are also generated automatically so that operators have instant confirmation.

TYPES OF REPORTS

OPERATOR REPORT, also known as a shift report, shows a complete list of net activity for the individual user since the last Z report.

CASH REPORT lists all money currently in the system including money in vend, manual drops, and validated drops.

END DAY REPORT is a Grand Z report that shows all net activity since the last time the report was run. It includes system net activity totals, Operator Reports for each user who conducted business this report period, and a Cash Report to show total cash on hand. This report is normally run daily to close a business day and start a fresh business day.

GRAND X report show the same information as the End Day Report, but does not zero all net activity.

PAST END DAY reprints the contents of an End Day report from a previous date.

PAST DEPOSIT REPORT reprints the contents of a deposit report. See also DEPOSIT REPORT.

DEPOSIT REPORT is generated automatically when a door is opened to remove cash from the system for bank deposit. The Deposit Report shows a detailed total of money being removed from the manual or validated drop compartment including bank account number for ease of accounting.

ENROLLED USER REPORT lists each enrolled user, shows their user information, status, and permissions.

CONFIG REPORT details system setup. It shows general system level information followed by a detailed breakdown of each parameter of each component in each safe in the system.

AUDIT REPORT is a comprehensive chronological report detailing all transactions specified for all users specified during the report period specified. The Audit Report is the primary tool for investigations

TYPES OF RECEIPTS

Receipts are generated automatically whenever certain activities are performed, such as loading tubes, unload or vending tubes, or making manual or validated drops into the system.

LOAD RECEIPT prints after loading tubes into a D8 safe. This receipt shows the number of tubes, their value, and total value loaded into the vending system.

UNLOAD RECEIPT prints after unloading tubes from a column of a D8 safe. This receipt shows the amount removed from the vending system and any variance from the expected amount.

VEND RECEIPT prints after vending a tube (or till of tubes).

DROP RECEIPT prints for either a manual or validated drop. For manual drops, the drop receipt is normally placed in the drop envelope and dropped with the money. For validated drop, the receipt shows the total money dropped into the system with a detailed breakdown of the drop by denomination.

BUY CHANGE RECEIPT prints when the Buy Change features is used to obtain vended change in exchange for a validated drop.

OPERATOR REPORT

Any enrolled user may run their own Operator Report. Managers may run anyone's Operator Report. The purpose of this report is to show total net financial activity for the operator for their shift. To be exact, it shows net activity since the last Grand Z (End Day) report. The Operator Report is also commonly known as a shift report. *Note: This report does not show or account for money removed from the system for the purpose of bank deposit.*

<p>OPERATOR 02 REPORT BOB TOTAL LOAD: \$214.50 TOTAL VEND: \$86.00 TOTAL UNVERIFIED VEND: \$.00 TOTAL MANUAL DROP: \$41.00 TOTAL VAL DROP: \$865.00 TOTAL BUY DROP: \$8.00 TOTAL UNLOAD: \$.00 NET CASH: \$1042.50</p> <p>OPERATOR 02 MANUAL DROP DETAIL:</p> <p>00114 BOB 08:13:55 05/06/02 MANUAL \$41.00 DROP ID: FS7261</p> <p>TRANS #00138 OPER 01 SITE # 1234 TIME 11:43:01 05-06-02</p>	<p>_____ Title of the report. In this case, it is an Operator Report for Operator 02.</p> <p>_____ The name of this operator is BOB.</p> <p>_____ Money in tubes loaded into a D8.</p> <p>_____ Money in tubes vended from a D8.</p> <p>_____ Value of tubes that either did not vend properly or were empty when vended.</p> <p>_____ Money put into manual drops.</p> <p>_____ Money put into validated drops.</p> <p>_____ Money dropped and validated as part of a Buy Change operation.</p> <p>_____ Money removed from vend using the Unload function.</p> <p>_____ Net cash = Total Load + Total Manual Drop + Total Validated Drop + Total Buy Drop – Total Vend – Total Unverified Vend – Total Unload.</p> <p>_____ The Manual Drop Detail section shows the audit trail information for each manual drop made to the system including the transaction number, name, time stamp, amount, and Drop ID.</p> <p>_____ Transaction number of this report and operator number of the user running this report. Site Number is usually the store number. Time stamp information.</p>
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CASH REPORT

The Cash Report shows the total money in the system. This report is automatically printed as part of the End Day or Grand X Reports. This report is valuable not only for showing money in drops, but also for checking physical tube inventory against the system vending total.

AUDITLOK XLV CASH REPORT	Title of the report. In this case, it is a Cash Report.
MAIN VEND	Name of D8 Vend Assembly
COLUMN #01 10 TUBES \$5.00	Tube count and total column value for each column.
COLUMN #02 10 TUBES \$20.00	
COLUMN #03 10 TUBES \$50.00	
COLUMN #04 10 TUBES \$100.00	
COLUMN #05 10 TUBES \$100.00	
COLUMN #06 10 TUBES \$200.00	
COLUMN #07 10 TUBES \$200.00	
COLUMN #08 10 TUBES \$400.00	
TOTAL LEFT IN VEND \$1075.00	Total value of all tubes in the named vend assembly.
BOXCASH MANUAL	First box cash in the system called MANUAL.
TOTAL FOR MANUAL \$41.00	Total For Manual lists the total money located in this drop location. Since this is a manual drop there is no additional information to show.
BOXCASH REGISTER 1	The next box cash location is called REGISTER 1. This is money held in a validator in a V1 safe.
\$ 1.00 0013	The bill count section shows the total of each denomination currently stored in the validator.
\$ 2.00 0000	
\$ 5.00 0016	
\$ 10.00 0012	
\$ 20.00 0018	
\$ 50.00 0003	
\$100.00 0001	
BOOKMARK COUNT 0000	A bookmark is simply a paper marker separating bills for ease of manual counting. Bookmarks are typically used to mark breaks in shifts. They make it easier to detect a counting problem (human or machine) if there is an error.
UNKNOWN BILL COUNT 0000	An Unknown Bill is a bill accepted by the validator and stacked, but for some reason the validator was unable to determine the denomination and properly count the bill. The common cause of such an error would be a power interruption, such as a brown-out, during a validated drop.
TOTAL FOR: REGISTER 1 \$873	The Total For Register 1 shows the total values of all stored bills (except for any unknown bills).
TRANS #00139 OPER 02	Transaction number of this report and operator number of the user running this report. Site Number is usually the store number. Time stamp information.
SITE # 1234	
TIME 11:47:41 05-06-02	

END DAY REPORT

The End Day Report is used to close the business day and zero net activity. All activity for each user is also reset to zero when this report runs. In addition to showing net system activity (the sums of each type of activity for all users), the Cash Report is also included.

The Grand X Report is identical in all respects to an End Day report, but does not zero current net activity. The Past End Day report looks exactly the same, but prints out the report from specified day, as it would have appeared at the time, without zeroing any current net activity.

END OF DAY REPORT _____
05-06-02

Title of the report. In this case, it is an End of Day Report.

LAST END OF DAY REPORT: _____
05-05-02

Date of Report

TOTAL LOAD: \$214.50
TOTAL VEND: \$86.00
TOTAL UNVERIFIED VEND: \$.00
TOTAL MANUAL DROP: \$41.00
TOTAL VAL DROP: \$865.00
TOTAL BUY DROP: \$8.00
TOTAL UNLOAD: \$.00
NET CASH: \$1042.50

Date of Last Report. This information shows the report period.

These are net activity totals. This section looks exactly like an Operator Report, but in this case it shows the sum of all user activity:

- Money in tubes loaded into a D8.
- Money in tubes vended from a D8.
- Value of tubes that the system attempted to vend, but did not actually detect vended.
- Money put into manual drops.
- Money put into validated drops.
- Money dropped and validated as part of a Buy Change operation.
- Money removed from vend using the Unload function.
- Net cash = Total Load + Total Manual Drop + Total Validated Drop + Total Buy Drop - Total Vend - Total Unverified Vend - Total Unload.

AUDITLOK XLV CASH REPORT _____

MAIN VEND
COLUMN #01 10 TUBES \$5.00
COLUMN #02 10 TUBES \$20.00
COLUMN #03 10 TUBES \$50.00
COLUMN #04 10 TUBES \$100.00
COLUMN #05 10 TUBES \$100.00
COLUMN #06 10 TUBES \$200.00
COLUMN #07 10 TUBES \$200.00
COLUMN #08 10 TUBES \$400.00

The AuditLok XLV Cash Report is automatically printed as a part of the overall End Day report so that all money on hand can be checked. The only exception is that manual drop detail is omitted for clarity.

TOTAL LEFT IN VEND \$1075.00

BOXCASH MANUAL
TOTAL FOR MANUAL \$41.00

Transaction number of this report and operator number of the user running this report. Site Number is usually the store number. Time stamp information.

BOXCASH REGISTER 1
\$ 1.00 0013
\$ 2.00 0000
\$ 5.00 0016
\$ 10.00 0012
\$ 20.00 0018
\$ 50.00 0003
\$100.00 0001
BOOKMARK COUNT 0000
UNKNOWN BILL COUNT 0000

TOTAL FOR: REGISTER 1 \$873.00

TRANS #00141 OPER 02
SITE # 1234
TIME 11:55:38 05-06-02

DEPOSIT REPORT

A Deposit Report prints automatically when you open a safe door to Remove Cash. This report is used to check the actual money being removed from the safe and to show how much money is being taken to the bank for the bank deposit. Variance between report value and actual money totals is either due to human error, or theft.

<p>DEPOSIT REPORT _____</p> <p>BOXCASH REGISTER 1 _____</p> <p>\$ 1.00 0013</p> <p>\$ 2.00 0000</p> <p>\$ 5.00 0016</p> <p>\$ 10.00 0012</p> <p>\$ 20.00 0018</p> <p>\$ 50.00 0003</p> <p>\$100.00 0001</p> <p>BOOKMARK COUNT 0000 _____</p> <p>UNKNOWN BILL COUNT 0000 _____</p> <p>TOTAL FOR: REGISTER 1 \$873 _____</p> <p>BREAKDOWN BY DATE _____</p> <p>BUSINESS DATE 09:15:19 05/05/02</p> <p> **PARTIAL**</p> <p> REGISTER 1 \$.00</p> <p>BUSINESS DATE 11:55:38 05/06/02</p> <p> **PARTIAL**</p> <p> REGISTER 1 \$873.00 _____</p> <p>ACCOUNT NUM: ABC100123 _____</p> <p>TRANS #00144 OPER 01 _____</p> <p>SITE # 1234 _____</p> <p>TIME 13:06:20 05-06-02 _____</p>	<p>Title of the report. In this case, it is a Deposit Report.</p> <p>Name of Cash location that is being emptied for bank deposit.</p> <p>The bill count section shows the total of each denomination currently stored in the validator. By opening the safe door and removing this money, these are automatically reset to zero to begin the new count for the next deposit.</p> <p>A bookmark is simply a paper marker separating bills for ease of manual counting. Since bookmarks physically separate groups of bills at specific times, they make it easier to match the bills with the shifts they were accepted.</p> <p>An Unknown Bill is a bill accepted by the validator and stacked, but for some reason the validator was unable to determine the denomination and properly count the bill. The common cause of such an error would be a power interruption, such as a brown-out, during a validated drop.</p> <p>The Total For Register 1 shows the total values of all stored bills (except for any unknown bills).</p> <p>The Breakdown By Date section documents the net drops by day. The first date is the time stamp of the first End Day report showing money dropped since the last deposit. The money shown after that is the money dropped during that report period. The last date is the time stamp of the most recent End Day report and shows the money dropped from then to the present. Any other entries in between will show net money dropped on those interim business days. The startment "partial" indicates that it is less than one full business day.</p> <p>The business Bank Account number prints on the Deposit Report for easy reconciling at the bank.</p> <p>Transaction number of this report and operator number of the user running this report. Site Number is usually the store number. Time stamp information.</p>
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Note: This report will include a Duplicate section so that one section can remain at the store and the other section can go to the bank.

ENROLLED USER REPORT

This report lists each user enrolled in the safe along with their personal data (except PIN), and lists every permission held by that user. The following sample report shows only an Administrator. For a complete list of permissions refer to the default permissions chart.

<p>ENROLLED USER REPORT</p> <p>USER #: 01</p> <p>USERNAME: ADMIN</p> <p>ENROLLED 04/12/02</p> <p>SSN: 123456789</p> <p>STATUS: ACTIVE</p> <p>LEVEL: ADMINISTRATOR</p> <p>KEY: 4000650AC55F</p> <p>GROUPS:</p> <ul style="list-style-type: none"> 000 001 002 003 004 005 <p>PERMISSIONS:</p> <ul style="list-style-type: none"> DOOR DROP VEND LOAD UNLOAD DROP SET DEL ENROLL USER DEL/EDIT USER EDIT PERMS PRINT AUDIT END DAY REPORT CASH REPORT USER REPORT CONFIG REPORT SET DEF PERMS SET PIN LENGTH SET PIN LIFE SET AUTO DELETE 	<p>Title of the report: Enrolled User Report.</p> <p>This is the User ID Number in the system.</p> <p>The name of this operator is ADMIN.</p> <p>ADMIN was enrolled on April 12, 2002.</p> <p>The 9-digit personal ID number assigned to ADMIN is 123456789. This number is typically the user's SSN.</p> <p>ADMIN is currently active. If ADMIN does not use the safe for an extended period he/she may become automatically inactivated or deleted.</p> <p>The user was originally enrolled at default permission level Administrator.</p> <p>If the user is enrolled with a key, the Key will be indicate a non-zero value. If the Key number is all zeroes, the user does not use a key.</p> <p>Groups (locks or columns) that the user may access.</p> <p>Door permission means the user may open any door that belongs to a group that they have access to.</p> <p>Drop permission means the user is allowed to make drops, manual or validated, including buying change.</p> <p>Vend permission means the user is allowed to vend change from columns they have group access to.</p> <p>Load permission is usually for management.</p> <p>Unload permission is usually for management.</p> <p>Drop Set Delete permission, for anyone other than yourself, is usually a management function.</p> <p>Enroll User and editing or deleting user status is usually a management function.</p> <p>Editing permissions of individual users is usually only done by the administrator.</p> <p>If you can print the audit, you can display the audit.</p> <p>Any enrolled user may run the End Day report during the End Day report period. This permission applies to running that report at other hours.</p> <p>The cash report shows cash on hand.</p> <p>User report permission allows you to run user reports on users other than yourself.</p> <p>The config report shows system setup data.</p> <p>The administrator may edit the default permissions of various user levels. Changes made to default permissions do not affect individual users already enrolled.</p> <p>The administrator may set the system to use 4-digit or 6-digit PIN numbers. Most applications only use 4 digits.</p> <p>PIN Life is how long a user may go before being required to change their PIN.</p> <p>Auto Delete is the how long a user may go without using the system before the system automatically deletes them from the enrolled user list. Note that deleted users will continue to appear on the enrolled user report until there are no more entries in the audit trail with their ID.</p>
---	--

- SET AUTO INACT
- SET TIMELOCK
- SET DELAY
- SET ACCESS
- SET ALARM
- SET VEND DELAY
- SET UNL DELAY
- SET VAR VEND
- SET DUAL KEY
- SETUP CASH
- SET COL VALUES
- SET REC PRINT
- SET DIRECTION
- SET DENOM
- SET END DAY
- SET TIME
- SET DAY
- NAME DEVICE
- SET IDLE TEXT
- SET MODEM
- COMPANY CODE
- SET BEHIND
- SET SENSOR
- SET SOLENOID TIME
- ADD DEVICE
- KEY REQUIRE
- VEND TILL

Auto inactivate is similar to auto delete, except that the user is set to an inactive status requiring management intervention to restore the user to active status.

Timelocks prevent access to doors during selected hours. The delay parameter, if set, how long you must wait after logging in once before you can log in a second time to open a door.

The access time is the period at the end of a delay, if the delay is used, during which you may log in a second time and complete the door opening procedure.

Alarm time is how long a door may remain open before an alarm sounds.

The vend delay is the time you wait after vending before you are allowed to vend again.

Unload delay is the time you wait after logging into the unload function before you can log in the second time and complete the unload procedure.

Variable vend delays supercede the normal vend delay during the specified periods.

Dual key means that a second user is required for authentication purposes when accessing a door.

Cash is the financial configuration of the system.

Column values include the per tube value, column group designation, and whether the column is included in a standard till.

The record/print function may be turned off for AXC units where no printer is used. Setting the print function to off disables all vend and drop functions and associated accounting.

Direction and denomination settings relate to validator bill acceptance.

The End Day report configuration determines when and how the report is normally run.

Time and date are system clock functions.

Each hardware component (locks, vend assemblies, validators, and safes) use names for identification.

Idle Text is the name of the business that appears on the idle display.

Modem and company code should never be edited in the field.

Behind is a lock parameter that controls lock behavior. Sensors may not be disabled.

Solenoid time is also known as Fire Time. This is the time after the display says "Open Door Now" that you have available to turn or press the fire switch to unlock a door.

Adding a device (safe) to the system is a maintenance function.

Key require allows you to determine what default levels must use a key for access.

Normally all users have Vend Till permission in order to obtain one till of change to start a business day.

TRANS #00141 OPER 02
 SITE # 1234
 TIME 11:55:38 05-06-02

Transaction number of this report and operator number of the user running this report. Site Number is usually the store number. Time stamp information.

CONFIGURATION REPORT

This report shows how the system is currently configured. It includes detail each component and each safe as well as system level information. The length and complexity of this report will depend on the products installed in the system. The following sample report is for a D8C with a V1R (the V1R lock information is not shown since it look exactly like the D8C lock information).

CONFIG REPORT	Title of the report: Config Report.
X2.0	The CPU software revision
IDLE TEXT: XYZ COMPANY	Idle text that appears at the top of the idle screen.
SITE NUM: 1234	Site number is a 15 character alpha-numeric, printed on all reports.
ACCT NUM: ABC100123	Account number is a 15 character alpha-numeric, prints on the deposit report only.
PIN LENGTH: 04	PIN length is 4- or 6-digits.
DAYLIGHT SAVINGS: Y	Whether daylight savings is used.
CURRENCY: U.S.	Financial symbol for accounting.
COMPANY CODE: 00000	Company code and manufacturer code are shown here for information purposes only.
MANUFACTURER CODE: 00000	
PIN LIFE: 045	PIN life, in days. (000 = never changes)
AUTO INACT: 060	Auto inactivation time, in days. (000 = never)
AUTO DELETE: 090	Auto delete time, in days. (000 = never)
RECEIPT PRINT:	Receipts are normally printed automatically, but may be disabled to conserve paper.
VEND: Y	The period during which any enrolled user may run the End Day report, regardless of permissions.
DROP: Y	
UNLOAD: Y	
LOAD: Y	
END DAY START: 06:00	If yes, the End Day report will run automatically at the End Day Start time.
END DAY END: 07:00	All permission levels may be enrolled with a key, but any level where a key is required will force you to use a key to enroll that permission level user.
AUTO RUN END DAY: N	
KEY USERS	
ADMINISTRATOR N	The following data is for the vend assembly of a D8. The name of the vend assembly is Main Vend. The software version of the vend assembly is 054. The vend delay is 2 minutes. The first variable vend delay is set to 1 minute and is applied between 6 am and 8 am. The second variable vend delay is set to 4 minutes and is applied between 11:30 pm and 5 am. The third variable vend in this example is unused. The unload delay is 2 minutes.
SUPERVISOR N	
MANAGER N	
ASST MANAGER N	
LEAD OPERATOR N	
OPERATOR N	
VEND CONTROLLER	
MAIN VEND VEND VER 054	
VEND DELAY: 02	
VARIABLE VEND 1	
START 06:00	
END: 08:00	
DELAY 01	
VARIABLE VEND 2	
START 23:30	
END: 05:00	
DELAY 04	
VARIABLE VEND 3	
START 00:00	
END: 00:00	
DELAY 00	
UNLOAD DELAY: 02	

```

COLUMN #01 $ .50 GROUP 00 *
COLUMN #02 $ 2.00 GROUP 00 *
COLUMN #03 $ 5.00 GROUP 00 *
COLUMN #04 $ 10.00 GROUP 00 *
COLUMN #05 $ 10.00 GROUP 00
COLUMN #06 $ 20.00 GROUP 00 *
COLUMN #07 $ 20.00 GROUP 00
COLUMN #08 $ 40.00 GROUP 00 *

```

Each column's value (per tube) is displayed along with the column's group assignment. A star (*) indicate that the column vends during a Vend Till operation.

```

OUTER DOOR D8C LOCK VER 047
DELAY 00
ACCESS 05
ALARM 05
BEHIND NONE
FIRE TIME 00
GROUP 00
DUAL KEY N

```

The first (and in this example only) lock is named Outer Door D8C and the lock's software version is 047. The door delay is zero minutes (no delay). The door access time is five minutes (must be greater than zero if a door delay is used). The alarm time is set to five minutes. The "Behind" statement will actually only appear for doors that are configured behind other doors, such as an inner drop compartment door lock. Fire Time only matters for safes with a fire switch. This is time, in minutes. The group number for the lock may be used to control who has access to this door. If Dual Key is enabled, the lock will require a second user to authenticate the first user for access.

```

TIMELOCK:
SUNDAY
UNL 04:30 LCK 01:15
UNL 00:00 LCK 00:00
MONDAY
UNL 04:30 LCK 01:15
UNL 00:00 LCK 00:00
TUESDAY
UNL 04:30 LCK 01:15
UNL 00:00 LCK 00:00
WEDNESDAY
UNL 04:30 LCK 01:15
UNL 00:00 LCK 00:00
THURSDAY
UNL 04:30 LCK 01:15
UNL 00:00 LCK 00:00
FRIDAY
UNL 04:30 LCK 01:15
UNL 00:00 LCK 00:00
SATURDAY
UNL 04:30 LCK 01:15
UNL 00:00 LCK 00:00

```

The timelock for the safe in this example is setup to prevent any access between 1:15 am and 4:30 am. These might be reasonable settings on the outer door for a business that closes a little after midnight and opens around 5 am. Often the only doors that are timelocked are those doors that protect large funds (manual or validated drops). If an armor car service is used, they should be equipped with a timelock override key and the high value compartments should be set to 24 hour timelock (UNL and LCK times set to the same non-zero time). Otherwise the timelock window for access to these high value compartments is usually restricted to banking hours.

```

VAL CONTROLLER
V1R1 VALIDATOR   UIB VER 050
V1R1 DOOR        LOCK VER 047

```

The next safe in the system is a validator safe. The name of the first component on the validator safe is V1R1 Validator. The validator's interface electronics module (UIB) is at software revision 050. The only user defined variable for a validator is its name. Lock information for the validator appears next on the report. Since this information is identical to the lock information shown above, it is omitted here for clarity.

```

TRANS #00138 OPER 01
SITE # 1234
TIME 11:43:01 05-06-02

```

Transaction number of this report and operator number of the user running this report. Site Number is usually the store number. Time stamp information.

AUDIT REPORT

The Audit Report provide complete and comprehensive documentation of every action taken on or by the safe system. This report may be displayed as well as printed. You determine the report period, who (everyone, some users, or a single user) is included in the report and what types of events (all, some, or a single event type) are printed. Analyze the audit trail to see who entered the safe when, what drops were made, and more. If you suspect someone, this is where you come to catch them!

AUDITLOK XLV AUDIT REPORT	_____	Title of the report: Audit Report.
00297 ROBERT VEND D8C1 \$2.00	14:01:18 05/08/02	Transaction number, name of person conducting this transaction, and the time stamp. The type of event is a Vend of \$2.00 from the safe named D8C1.
00298 BOB UNLOAD DELAY	14:09:57 05/08/02	Bob logged in and started the unload delay.
00299 BOB UNLOAD START	14:12:19 05/08/02	Bob logged into the unload again during the unload access period.
00300 BOB UNLOADED COLUMN 02 08 TUBES \$16.00 SHORT \$2.00	14:13:22 05/08/02	The safe finished emptying the tubes from column 2. In this case it monitored the unloading of 8 tubes. It expected to see 9 tubes vended, so it reports a shortage of \$2.00. The value of this column is reset to \$.00 regardless of the number of tubes dispensed.
00301 SYSTEM UNLOAD COMPLETE \$16.00	14:13:24 05/08/02	The system reports that the unload operation is finished and the total money unloaded.
00302 BOB LOAD D8C1 00 10 02 05 01 00 02 02 \$210.00	14:17:06 05/08/02	Bob refills the D8C1 safe with tubes. The numbers below the safe name indicate the number of tubes loaded in each column, respectively, with the money total shown on the right.
00303 ROBERT VALIDATE \$85.00 VAL: 000 000 003 001 003 000 000 000 \$85.00 REGISTER 1	14:19:40 05/08/02	Robert validates 3 \$5 bills, one \$10 bill, and three \$200 bills for a total of \$85. This money is validated into the cash location named Register 1.
00304 ROBERT MANUAL DROP MANUAL DROP D8C \$475.00 DROP ID FOODSTAMPS	14:31:15 05/08/02	Robert makes a manual drop valued at \$475 to a cash location named Manual Drop D8C. Robert gave the drop an ID of "Foodstamps" to indicate that the money value is in the form of food stamps. This type of ID documentation can be used to track manual drops of anything having a specific financial value that would be handled like normal money. It can also be used simply for notations, such as closing the till for the day or shift, wet money, or anything else that justifies making the manual drop in lieu of a validated drop.
00305 BOB ENROLL USER ASST MANAGER	14:52:03 05/08/02 CHARLES	Bob enrolls Charles with the permission level of Assistant Manager.

00306 CHARLES WRONG PIN	14:55:49 05/08/02	—	Like many first time safe users, Charles enters his PIN incorrectly.
00307 CHARLES DOOR OPEN	14:56:18 05/08/02	—	Charles opens the outer door of the D8C.
00308 SYSTEM DOOR VIOLATION	15:01:19 05/08/02	/	Since Charles opened the door, he gets the blame for not shutting it.
00309 SYSTEM DOOR CLOSED	15:01:44 05/08/02	/	Someone came along after hearing the safe's audible alarm and shut the door. Since this action does not require user log in, the system cannot assign it to an individual.
00310 BOB AUDIT REPORT	15:08:46 05/08/02	\	Bob ran an audit report.
TRANS #00310 OPER 06 SITE # 1234 TIME 15:08:46 05-08-02			Transaction number of this report and operator number of the user running this report. Site Number is usually the store number. Time stamp information.

VEND RECEIPT

The VEND RECEIPT shows the amount of money removed from a D8 unit vend assembly via vend procedure. It shows the amount vended and the user who is being charged for the vend along with other common receipt information.

VEND RECEIPT	_____	Title of the receipt: VEND RECEIPT
JOHN DOE	_____	User vending.
MAIN VEND	_____	Vend location.
COLUMN 02 AMOUNT \$2.00	_____	Tube value.
UNVERIFIED VEND	_____	The receipt will only indicate Unverified Vend if the tube is empty or if there is blockage in the path of the output sensor.
TRANS #00141 OPER 02	_____	Transaction number of this report and operator number of the user running this report. Site Number is usually the store number. Time stamp information.
SITE # 1234	_____	
TIME 11:55:38 05-06-02	_____	

LOAD RECEIPT

The LOAD RECEIPT shows the amount of money added to a D8 unit vend assembly via load procedure. It shows the number of tubes and their value for all columns plus a total.

LOAD RECEIPT	_____	Title of the receipt: LOAD RECEIPT
JOHN DOE	_____	User loading.
MAIN VEND	_____	Vend location.
COLUMN #01 10 TUBES \$5.00	} _____	Quantities and values added for each column.
COLUMN #02 10 TUBES \$20.00		
COLUMN #03 10 TUBES \$50.00		
COLUMN #04 10 TUBES \$100.00		
COLUMN #05 10 TUBES \$100.00		
COLUMN #06 10 TUBES \$200.00		
COLUMN #07 10 TUBES \$200.00		
COLUMN #08 10 TUBES \$400.00		
TOTAL AMOUNT LOADED \$1075.00	_____	Total amount loaded.
TRANS #00141 OPER 02	_____	Transaction number of this report and operator number of the user running this report. Site Number is usually the store number. Time stamp information.
SITE # 1234	_____	
TIME 11:55:38 05-06-02	_____	

UNLOAD RECEIPT

The UNLOAD RECEIPT shows the amount of money removed from a D8 unit vend assembly via unload procedure. It shows the number of tubes and their value for all columns plus a total. Any variance between the amount actually unloaded and what the system previously thought it had will be documented.

```

UNLOAD RECEIPT _____
JOHN DOE _____

MAIN VEND _____
COLUMN #01 00 TUBES $.00
COLUMN #02 00 TUBES $.00
COLUMN #03 06 TUBES $30.00
  01 TUBES $5.00 OVER
COLUMN #04 00 TUBES $.00
COLUMN #05 00 TUBES $.00
COLUMN #06 00 TUBES $.00
COLUMN #07 00 TUBES $.00
COLUMN #08 00 TUBES $.00

TOTAL UNLOAD $30.00

TRANS #00141 OPER 02
SITE # 1234
TIME 11:55:38 05-06-02
  
```

Title of the receipt: UNLOAD RECEIPT
 User unloading.
 Vend location.
 Number of tubes unloaded.
 If the number of tubes unloaded differs from the number of tubes previously logged, the difference will be printed.
 Total value of tubes unloaded.
 Transaction number of this report and operator number of the user running this report. Site Number is usually the store number. Time stamp information.

BUY CHANGE RECEIPT

The BUY CHANGE RECEIPT shows the amount of money dropped and the amount of money vended as change. The user is credited with any difference as a net drop.

```

BUY CHANGE RECEIPT _____
JOHN DOE _____

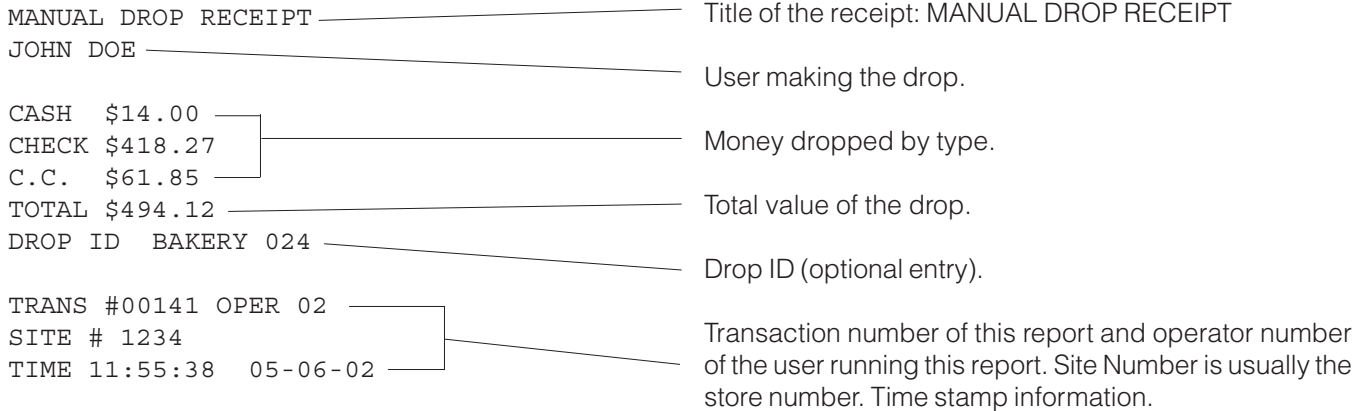
AMOUNT VALIDATED: $30.00
AMOUNT VENDED:    $25.00

TRANS #00141 OPER 02
SITE # 1234
TIME 11:55:38 05-06-02
  
```

Title of the receipt: BUY CHANGE RECEIPT
 User buying change.
 Total value of money validated.
 Total value of money vended as change.
 Transaction number of this report and operator number of the user running this report. Site Number is usually the store number. Time stamp information.

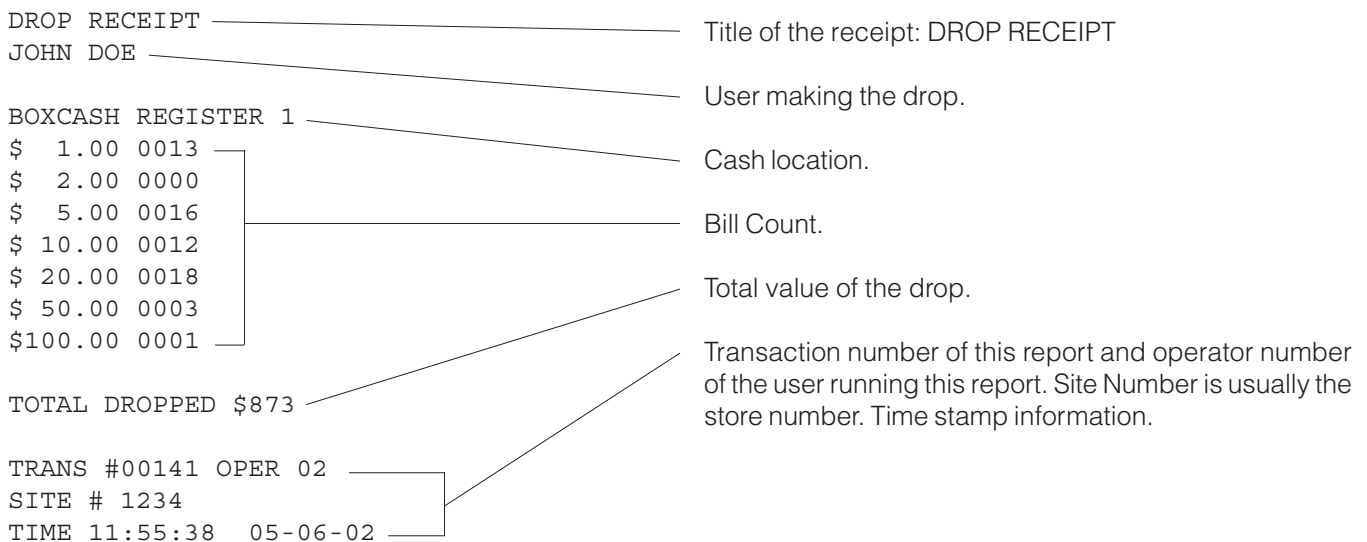
MANUAL DROP RECEIPT

The MANUAL DROP RECEIPT shows the amount of money dropped to a manual drop location. The receipt will show the amount broken down by cash, check, and credit card as appropriate. The Drop ID is an identifier that can be used for referencing the drop to a serialized bag or other purpose..



VALIDATOR DROP RECEIPT

The validator DROP RECEIPT shows the amount of money dropped to a validator cash location. The receipt shows a bill count by denomination as well as the total value of the drop.



6 TROUBLESHOOTING

ERROR

Message: Timelocked

Message: Delay In Effect

Message: User Cannot Access This Door

Message: Door Open

Message: Warning Close Door

Message: Violation Close Door

Message: Check Printer

Message: Communication Failure

EXPLANATION

The door or vend assembly you are attempting to access is unavailable due to timelock.

The Vend Delay is still counting down.

You do not have permission to open this door.

This message appears when you attempt to use any drop or vend procedures when a system door is open.

1. The door has been left open until the access period is exhausted.

2. Door sensor failure (alarming with door shut).

1. The door has been left open until the alarm time is reached. A constant audible tone alerts you to close the door.

2. The door is sensed open, but was not opened by procedure.

3. Door sensor failure (alarming with door shut).

The printer is off, out of paper, out of ribbon, or is disconnected.

Additional information on the screen will indicate what device or component is the source of trouble.

SOLUTION

Wait until the door or vend unit is out of timelock.

Wait until the vend delay has expired, then try again, or use the Buy Change feature instead of Vend.

Contact your supervisor for assistance opening the door, or to edit your permission to allow access.

Close all doors.

1. Close the door.

2. Contact NKL Technical Support.

1. Close the door.

2. Close the door, contact authorities as needed. This condition constitutes the burglary alarm.

3. Contact NKL Technical Support.

Check the printer, its paper and ribbon, and make sure the printer is connected to the safe.

Check power and communication cable connections. Contact NKL Technical Service.

ERROR

EXPLANATION

SOLUTION

Message: Bill Jam

A bill fed into a validator did not stack properly during the validator drop.

1. Cycle power to the validator.
2. Open the door to the validator, remove the validator cassette, and clear the blockage.

Message: Unkown Denom

1. A bill was stacked in the validator's bill cassette, but the validator was unable to determine the bill denomination. This may happen if power to a critical system component or device is interrupted during a drop.
2. Bad bill forced into validator.

You should immediately drop a bookmark into the affected validator to mark the location of the unknown bill. To prevent future problems, ensure that all components are powered via surge protectors and that the power source is stable.

Message: Validator Full

The validator mechanism senses that its cassette is full.

Make a bank deposit (remove and empty the bill cassette, then replace).

Message: Warning Extended Drop In Use

At least one system validator is logged into Extended Drop mode.

If you proceed with making a drop, make sure your drop is to a validator not logged into Extended Drop. Otherwise, your drop will be credited to the user logged into Extended Drop.

Message: Invalid Load

A tube (or any object) is sensed entering the dispensing system without following the load procedure.

Check the tube inventory using the Cash Report and, if necessary, unload and properly reload the affected column.

Message: Column Empty

The column you are attempting to vend from has no tubes in it (according to inventory).

Load tubes, or contact your supervisor to obtain change.

Message: Tube Jam

A tube is caught in the dispensing system, preventing a vend motor from operating properly.

Open the outer door and clear the tube jam.

Message: Event Recorded

The output sensor detects an interruption. This means either a stuck tube, or an attempt was made to fish a tube out through the dispensory exit.

Open the safe door and inspect for blockage; verify physical tube inventory to ensure no tubes are "missing."

Message: Invalid PIN

The PIN entered does not match the PIN that the system expects for the identifier presented.

Reenter the PIN. If the PIN is lost, use the Edit Users procedure to set a temporary PIN.

ERROR	EXPLANATION	SOLUTION
Message: Error Not A Valid Key or User	The identifier (key, fingerprint, or user number) presented is not enrolled, or is inactive.	Contact your supervisor to check your identifier's status and enroll or activate, as needed.
Message: No Room For New User	The system limit of 100 users is exceeded.	One or more users must be deleted before anyone else may be enrolled.
Message: Security Violation Timeout	The wrong PIN has been entered five consecutive time. The system considers this a potential attack.	Wait 5 minutes for the violation to clear before attempting access again.
Message: No Permission For This Action	You do not have sufficient permission to perform the requested action.	Contact your supervisor regarding your permissions.
No Display	Loss of power to the safe (or EPR).	Check that the power supply to the safe (or EPR) is plugged in at both ends.
Door Will Not Unlock (No Error Message)	Possible internal communication problem, possible internal lock failure, possible boltwork jam or failure.	Contact NKL Technical Service.
Door Will Not Lock (No Error Message)	Possible blockage in door, possible lock failure, possible boltwork dent problem.	Check for blockage; contact NKL Technical Service.
Message: Unit Not Responding	Loss of power to unit, data cable disconnected to unit, internal failure of unit.	Check power supply connections; check data connections; contact NKL Technical Service.

OBTAINING SERVICE

NKL will service your product in or out of warranty. Obtain service (inside the United States) by contacting the NKL Technical Service:

NKL Cash Handling
a member of FireKing® Security Group
101 Security Parkway
New Albany, IN 47150
Ph 800-452-4655
technicalsupport@fireking.com

Normal business hours are 8 am to 5 pm E.S.T., however the NKL Technical Service is available 24 hours a day, 7 days a week. Between 8 pm and 8 am (E.S.T.) and after 4 pm on Sundays or holidays you may leave a message and a technician will be paged to return your call, typically within minutes.

Outside the United States, NKL provides warranty parts at no charge (not including tariffs).

NKL reserves the right to deny warranty service in cases of abuse or misuse.

NKL SAFE ONE YEAR LIMITED WARRANTY

If a mechanical, electronic, or operable part of an NKL Safe malfunctions or breaks down during normal use Fire King Security Products will, at our option, repair or replace such part free for a period of one year from the date of installation. External devices, not manufactured by Fire King Security Products (such as transformers and UPS devices), are warranted for ninety (90) days from date of installation..

Warranty Service is available by contacting your dealer or by contacting Fire King Security Products at 800-452-4655. Fire King Security Products reserves the right to have its representative inspect any product or part to honor any claim, and to receive a purchase receipt or other proof of original purchase before any warranty service is performed.

This warranty is limited to the terms stated herein. All expressed and implied warranties including the merchantability and fitness for a particular purpose are excluded, except as stated above. Fire King Security Products disclaims all liabilities for incidental or consequential damages resulting from the use of this product, or arising out of any breach of this warranty. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may have other rights as well, which vary from state to state.